The Mining Journal

RAILWAY AND COMMERCIAL GAZETTE

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 392. -- Vol. XIII.]

LONDON: SATURDAY, FEBRUARY 25, 1843.

PRICE 6D.

STANNARIES OF CORNWALL.
IN THE VICE-WARDENS' COURT.
TO OTHERS *. WILLIAMS."-"FOX AND OTHERS *. SAME." **POX AND OTHERS v. WILLIAMS."—"FOX AND OTHERS v. SAME."

WHEREAS, the Vice-Warden did, by two several orders or decreas, made in the above-mentioned causes, and hearing other respectively the third of November, 1811, order that a SALE be made of (amongst other things) the MacCHINERY and MATERIALS upon and belonging to WHEAL MENRY MINE, in the parish of Wendron, within the said Stannaries, under the frection of the Registrary of the Court, on that the precesses of such sale should be age led by the said Segment of the Court, and that the precesses of such sale should be age led by the said Segment of the Court, and that the precessor of secrees. Existen is hereby given, that, it unsuant to the said several orders or decrees, a VOBLIC AUCTION will be helden, at Wheal Henry Mine, aforesaid, on Tuesday, the 7th day of March sett, at Everys o'deck in the furences, for selling, either to order or in lots, the undermentioned MINING NACHINERY and MATERIALS—Val. as inches vylinder PUMPING-ENGINE, early new, with a boiler (nine tone), and a onseins, dec. Ac.

Pry viewing the same, application may be made to Captain Perry, at the nine; and, for further particulars (if by letter, pre-paid, to Mr. Roberts, solicitor, Truco. Detect the 2nd of February.

O MINERS AND OTHERS.—THE WHITE GRIT LEAD

MINERS AND OTHERS.—THE WHITE GRIT LEAD MINES, and SMELTING-HOUSE'S and COLLIERY, at "contentord and P necessary, near wherewhater, TO HE SOLD, BY AULTION, by Mr. TISDALE, on the premises, at the above sulsers, on Thursday, the "th day of warch, and tollowing days.

AF THE WHITE GRIT LEAD MINES, Ac.
A converted STEAM—ENGIVE, As heres power, at the White Grit Lead Mines, with holier, a best Lis yards of 16-inch sumps, rods, windshore, citars, and rods, consider; capstan and rope, shearhead, balance bobs, gin, and ropes, all complete.—Also a powerful ENGINE, suchemps power, exceed at the Gravels, with holier, the substance of the Gravels, with holier, the substance of the Gravels, with holier, with holier, b-inch pumps, rods, shearhead, capstan, and gin, complete.—Likewise another ENGINE, at the Batheles (nearly new), 14 house power, upon the most improved principle, with holier, b-inch pumps, rods, bobs, paileys &c., complete. The warious gins upon the different shafe, with ropes, pitch beads, on-patans, and pumps.—Several hundred yards of pomps, different sizes, many hundred yards of wrought and cast iron rais, the and road rods, art-frought, timber, from miner's tools and cheests, titlings up of blacksmiths' and carpenters' shops, with all the stores and implements, and other appurtunances requisite to carrying on an extensive mining establishment.

AT PONTESTORD SMELT-WORKS.

THREE SMELTING FURNACES, to good condition, smelting true, and all the becoming smalling tooks, weighing machines, and frames, head mounts, &c.—Also an excellent 4-horse FOWER ENGINE, with biovring apparatus, slaghearths, weighing machines, &c.—An excellent 4-horse FOWER ENGINE, with biovring apparatus, slaghearths, weighing machines, &c.—An excellent CARRIAGE WEIGHING MACHINE, upon an improved construction; lead and cast from pumps, with several handred yards of 3-high lead pipe, a quantity of iron, wheelbarrows, with the fittings up of black-waith's shop, lathe, washing tools, &c.

pital STEAM-ENGINE. 9-horse power, with builer, pumps, and rods, contributed STEAM-ENGINE. 9-horse power, with builer, pumps, and rods, contributed starthest, gin, and ropes; also two other gins and ropes; pit heads, kibble ets. and every requisite for a working colliery; to exther with the fittings-up-chamith's shop, about disco bricks, and sundry other effects.

. Sale to commence each day at Eleven o'clock punctually.

MAESTEG IRON WORKS AND MARGAM TIN PLATE ARSTEG. IRON. WORRS AND MARGAM TIN PLATE.

A WORRS, Gimmercanshire.—These two issuested works, now is actual operation, will be OFFERED FOR SALE, BY AUCTION (unless in the mean time depend of by private constract), in the meanth of February next. The Maestry Works consist of TWO BLAST FURNACES, with STEAM ENGINE, of dischering power, have an ample supply of IRON ORE said COAL, extending under iot acres of land.—The Margam Tin Frate Works are of speed to the make of see BOXES TIN FLATES per work; the water-power is considerable; the whole of the machinery is good working order. The present machinery is applicable also to the ROLLING of METALS of every description.

Full particulars, and due notice, will be given of the time and place of sale, meanting the works may be viewed, and any information respecting them obtained, on application to Mr. David Rowland, solicitor, White Lion-coart, Cornhill, London, and Mr. William Llewellyn, solicitor, Neuth.

NTHRACITE COLLIERY, Pembrokeshire.—TO BE SOLD, BY PRIVATE CONTRACT, all three cell established, locrative, and valuable works, known as the ELGETY COLLIERY, in the country of Pemberds, with powerful and excellent MACHINERY, comprising a large extent of the BEST ANTHRACITE COAL in the United Kingdom, and leid by leases, for the survivor of two proug lives.—The works may be inspected, by order, rrom Mesors. Rankin, Hord, Longbourne, and Vickerma-, Gray's Ino, Loudon; Nessex William Brough and Son, mineral surveyors, Neath, Gil-morganshire; or Hr. R. W. Jonos, Longbour, Giamorganshire, who will give particulars, and are authorized to treat for the sale.

COLLIERY, IRONSTONE, IRON-WORK, and FOUNDRY, not be the sale.

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COLLIERY, IRONSTONE, IRON-WORK, and FOUNDRY, not be the sale.

In the transmands of the Levon Iron Company. This could have been wrought for the last forty parts, in connection with the from Works at Devon, and is non-ticularly well adapted for the manufacture of from. The present workings are conditiond to two seams—the appear for foot and nine foot, but there is an ex-sensite field of the lower five-foot assent to work, and the application of which need be obtained by simbling down the existing pits at an innocunderable appears, in be done there, there are other workside seams in the creat-field still unsymmetry. The machinery, utenalts, and we known's houses will be delivered over to the to manner. If required by the tennalt offering for the North Sacobia college, arrangements could be made with the Beron tron Company for obtaining possession at the term or Witsmeday of the incurations, and of the iron work and homody, at present exception by them. In this case, other a lease or a permanent for algebra will be given in the present on which the iron-works are eliment, and the leases of the could said ironations unpities a nemister of quantity of the transferal used by the present exception, and the works being well at said of the iron, are well as for foundity, and the works being well at said of the tennal of iron, as well as for foundity proposes, mould be enabled excepting a Allon, or to James L. Mitchell and the particulars apply to Rothert Jameseon, Eng. at Allon, or to James L. Mitchell and the property proposes, mould be enabled enabled and the iron.

OR SALE, by PRIVATE CONTRACT, on the ROSEWALL. BILL MEN, and and saligned from \$1. Ives, to Convenit, THRER UTEAM.

RILL MEN, and and saligned from \$1. Ives, to Convenit, THRER UTEAM.

NGINES, all new only three years ago, No. 1, a 1st-lock cylinder PUMPING
NGINE, --fact atroke in the cylinder and Joset in the promp, with all wood work

modeles, instituting those and windows and first place of convenientes and \$1.0 a. 2, a

FAMPING-ENGINE, on Hims's commissed cylin for principle—4. Journe prower

to consumption of contain with this region never extraorded 2; the per linear power

t. Sow; .ve. 3, a WINDING-ENGINE, 20-logis, double power, Broghen and wast

those—5 feet stroke, with winding appearance from convenient. The winding of stans
gines are on the most modern onestruction, made of the best material and work,

namids; are only one and a balf soile from a good shaping port, and may be lad

by change—Application to be made to Mr. Nicholas Tredinick, of Cambrine, to

r. James Sinn., engineer, at Redworth; or to Mr. English, N., First-street, Landow.

Redwith, Dec. 3.

O COAL AND IRONMASTERS.-TO BE LET (with im O COAL AND IRONMASTERS.—TO BE LET (with immediated in the GOVALT, of the MINES of COAL and IRON.

FIGURE in the GREEN LANES CULLERY, with or without the corrupations of the Perm, encoding or fifty scree of land, situation at the introduct, and walnut, to the owney of Bashred. The mines that remain to the got console of about transfer scree of rard coal, fifty acres of four lent coal. Bity acres of bottom coal, and a quantity of the latures strone. About forty acres of the coal incidence of a bottom of the bottom coal, and the formation the strone of the bash, see him facts, remain to be got. Serveral jet shalls are obvoody when on the strone of the coal of the strone of the formation of the strone of the formation of a menderate organism.—A realway has been all the formation of the formation of a menderate organism.—A realway has been all the former broad of the formation from the collection of the first been laid down by the filterologicus Canal, and the filterologicus and Busingston Canal quantity to a proof incident al night organism. There are negligible and other matchingsy on the promotion to to taken at a explantion.

For partitionism keeps to Messen, therein a proof incident at night organism. There are negligible and other matchingsy on the promotion of the filterologicus. The filterologicus.

For partitionism keeps to the Messen, Deven and Pararell, and others.

For partitionism assets to the Messen and Pararell, and others.

For partitionism assets to the Messen and Pararell, and others.

For particulars sup-y to Mesons Dyens and Flavoll, actioners, 21, South London; to Mr. John Dester, on the pressure, or to Mr. John Hartine med. They.

TO COAL AND IRONMASTERS, &c.—Ma. S. B. ROGERS, MINERAL AND METALLCEGICAL CHEMIST, of NATTY-GLO, once ASERGRAVENSY, ECONOCCUSSITIES, created by the control of COAL and Hollands and the OWNLES of MINES personally, to the impression of Recomments of SERVICE and COMPANIES. The competition of MINEST personally, to the impression of Recomments of SERVICE. Thirty record experiments enables him to may, that there is no made agreement general, to pre-count open, at they have been an interestant, to pre-count open, at the anti-control of the Control of the Control

TO MINERS, CAPITALISTS, and OTHERS.—TO BE SOLD,
BY PRIVATE CONTRACT, a GALE OF FREEHOLD LAND, constaining
about 2.44 ,000 tons of CAPITAL COAL, to an eligible part of Dum Forms, 6100contension, distant about theiry yeards from the fiveree and Wys Railway, and about
fifty parts from a good turnpike road.—Apply to Messrs. Crosme and flow, of Lyd.
arr., Glomerstrablics.

TO MINERS AND IMPORTERS OF ORE. - In order to OMIN CASS AND IMPORTERS OF ORE.—In order to obviate the disadvantages which importers of ore into Liver, and have hikered him under, owing to the want of any satisfale are mass for the depositing, preparing for site UNDERSIGNED in computation with others, have ENCLOSE? A SPACIOUS YARD, contiguous to the HARRINGTON DOCK, into which CARGOES MAY BE LANDED, direct from the vessel, WITHOUT CARTAGE; and have ERECTOD there, PUWERPUL MACHINERY for CRUSH, ING and SIFITING COPPER ORE, and PULYERISHOR SILV B ORE. All requisite facilities are also provided for SAMPLING and sELLING both descriptions, and importers are invited to avail themselves of the advantages which are thus of freed them.—Terms may be known on application to DDD, NAYLOR, & CO. Liverpool, Feb. 15.

TO WORKERS OF COLLIERIES.—TO BE LET, for a term of twenty-one years, or for any longer period that may be hercaster agreed upon, with immediate possession, all that superior COLLIERY, known as the FENCE COLLIERY, one in work, citizated on the North Mediant Railway, should an yearts from the Woodhouse Mill Station, on the trailway, from whence there is a branch made tott the rolliery. The colliery has been period come time, and is now in a productive state. The extate on which it is ex abtished embraces about 12 acres of surface, in a ring sence, and contains the FOUR following BEDS, or SEAMS, of COAL-viz.

The YARD COAL (about twenty five acres, ungotten), 2 ft. 2 in. thick, twenty

yards below the surface.

2 The FURNACE COAL (about thirty sorres, ungotten), 2ft. 6 in. thick, thirty-moverabled in the curface

3. The FOUR-FRET or HIGH HAZLE COAL (about in serves, ungotten), 4ft.

these, seventy-two yards below the surface.

4. The DARNELL COAL (shout iso area, suggetten), 4 ft. 6 in, thick, 152 yards below the surface.

The workings in the two apper bela (so far as they have been carried out), together with other experiments and trials made by boring. As , prove most satisfactority that all the coals are regular and five from rights (broughout the existine, they that all the coals are regular and five from rights (broughout the existine, which they have been sent. The first best produces a very vacuitient house for coal, and the shark from it is much approved of in fine field for working atean-engines with. The second, this is, and bouth beds are each of very superior quality for making cokes for ho-motive engines, and for all an unfacturing and domestic purposes; and it is believed that the country of York does not produce a face better adapted for general use. A title water produced in twenty four house, by working the two upper beds, is pumpe it to the satisface in twelve house, by a right of the coal from the second body a right of the coal from the second body a right of the coal from the second body. As well as the coals of this college; are, and always will be, worked and brought to the surface at an unassually moderate cost, while the markets for them, by serain of the North Midland and o her railways, rivers, and coals, are sare and extensive. The coalsery is ten mines from chefficid by railway, and six mines by the turnities. The coalsery is ten mines from chefficid by railway, and six mines by the turnities. The coalsery is ten mines from chefficid by railway, and six mines by the turnities and put for the morth by railway to discline of the pits.

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POR SALE, TWO ONE-HUNDREDTH SHARES in the

WANTED TO PURCHASE, a GOOD SECOND HAND PORTABLE STEAM-ENGINE trom 20 to 26 to diameter of cytoneter, from 4 to 5 feet obviou, with 6y would, and if with winding apparatus to wit be preferred.—Apply to 3. Ornoleton, at Fole, with particulars and price, delivered on board at the most convenient port, or delivered in the port of Figur.

SOUTH CARADON MINE - ONE 128TH SHARE in this MINE TO BE SOLD, BY PRIVATE CONTRACT - Apply to W Treasery, June ... Mining Agent and Sharestraker , from Redroth, Corowalli, &c, Threadmoodic atreet, london.

CONSOLIDATED COPPER MINES OF COBRE ASSO. CATION - Notice is bereigh given, that a PRECIAL GENERAL MERTING of proprieties will be heat at the office of the association, pt., Australians, on Studies, the 21th days of Privatary least, at One of vicinels precisely, for the purposes of ELECTING as auditional (HEECTOR, in parenases of the countries processes, 16, Australians of the board of directors.

By order of the countries of directors, 16, Australians, Sorversey.

CORNUBIAN MINING COMPANY.—The directors of this amogeny having made a further CALL of FER SHILLINGS per share, say above on or before the 20th day or March next, the shareholders are requested to PAY the same to the Union Bank of London, a, Hourgate street.

66. Pinshery-request, Feb. 21.

WEST CORK MINING COMPANY. -- Notice is hereby given, that the GENER 1, MALE-YEARLY MERTING OF the interesting given, that the GENER 1, MALE-YEARLY MERTING OF the interestination will be held at the Ge-rige and Violante Tavern, Corneled, in the after set Landon, on Thomasky, the 1th day of March nest, at One o'clock it the afternoon precisely, on the general business of that desepancy, and alone for the electron of two directors and one wellful, and take melting, that every propelates estapoling to become a regulidate to till the office of directors or auditor, muscl, writing under his hand, stating the place of the reviews and addition (such writing under his hand, stating the place of the reviews and addition; much writing to be add within the cause flowers days of the office of the company, i.e., Columnae clowel, in the city of L advert, his indeedline to be the according to the columns of the columns.

SAFETY PUSE. sends of effecting this very baserdous operation. From many testiments to its assertations with which the Manufacturer baser term favored from reary part of the hingdown, they exceed the Manufacturer baser term favored from reary part of the hingdown, they select the full-wing testing country resembly resemble from John Taylor, Easy, F. R.J. Act., Act. ...

If all very glad to bear fael my termemanufactions have been a of any service to you. They have been given from a thurship convictions of the year obscide and the theful Place, and I am quite milling that you chould coupley my name as at the hardy Place, and i am quite milling that you chould coupley my name as at Manufacturer: and onld by the Patentown, MCEPGED, BMITH, and BAVEY, Camberdow. Conswell.

TO MINING ADVENTURERS AND OTHERS—Longuerant AAVING of FIFTY FER CEST in the ASTICLE OF GREAR—POSEPH FUNCTIVAL, of Green drivet, Wolfin has driven, Statistical artist, Low on, large or operating to induce the MINING MYTERETY than he HANVESCYTCHER as OF-PROVED FATELY ANTI-TYCH GREEAGE, or writers, tour wagging, one ongoing and all purposess for which of the dark greens are now many to the province for which of the dark greens are now many and the proposes for which of the dark greens are now many.

MPORTANT PATENT IMPROVEMENT IN CHRONOHEITES and WATCHES - E J. DES. I, og. EYEADD, who character the high
spatial controlled of controlled the controlled particular the high
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and CAGCEA, is the CHRONED to bits to Tubbe spatial flat , is deposed \$7500,
and in mail, to good come from all to a canter.—Soil Bertannas Watches, with
public flats, tong \$7 to it of \$71 \text{ In each . Desire of the character of the canter

14 "Time bengen," is have monty for controlled.

A PREMIUMS FOR 1-4s.—NOT CONFINED TO THE (
A Premium of Fifty Pourss, by the Rev. Canon ingers to regimer who shall have been evidolyed to evec a machine for reunderground, in any Cornists mine.—The offer to continue in for March, 1983.

A Premium of Two Pounds, by W. T. Practi. Emg., M.F., for the user on mechanical method of vontilating mines, that can be applied to the Coroli with estractings.

A Premium of Ton Pounds, by J. H. Tramayne, Eng., for the best well-thed, or improvement on the plan already adopted at Premium, for facilities account and desc. at 1 finiters.

A Premium of Ton Pounds, by T. J. A. Roberton, Eng., for the plan, or which obtains the above premium, provi of it be accompanied by tack and exponent as hall be approved of by the Ju gas.

A Premium of Pive Quincas, by John Taylor, Eng., F. R. S., for the most of and accounts accounts of the quantity of water supplied to the bolizes, the of bushels of coals con-usual, and the duty performed by an engine, for a particular land and the star in the mater.

A Premium of Five Guineas, by John Taylor, Esq., F. R. S., for the most employ and security and successive atomates of the equality of whose suspicion to the business, the number of bushels of coals one-numbe, and the duty performed by an engine, for a period of not less than all menalths.

A Premium of Ton Pranck, by Captain Junktes, of Assam, in India, for the businessay on the exercision of the Prancis.

A Premium of Ton Prancis, by Henry English, Esq., Sittler of the Mining Journal and Jungal Resissa, for the best sugar, containing an account of any methods or plants, pray tools in any other mining districts, advantageously applicable to Corninal nature. To be accompanied by the necessary drawings.

A Premium of Ton Poun a, by Livest C describ tytes, and Sir C. Lemon, Bort, for the best report on the a ricultural provision of any consist, rathe portion of any time.

A Premium of Ton Pounds, by the discist, and H. Ragitais, Enq., for the mediance account of the quantity of water for any consist, and the Ragitais, Enq. for the mediance account of the quantity of water for account, with a view of accordanting if the quantity of water instruments of the Pounds, by the discist, and H. Ragitais, Enq. for the mediance of country, with a view of accordanting if the quantity of water instruments of the pounds, by the discist, of the pounds, by a for the mediance of Cornwal, or of any port of the country.

A Premium of Five Pounds, by the discist, for the best paper on the Subarism of Cornwal, or of any port of the country.

A Premium of Five Pounds, by the discist, for the best paper on the Subarism of Cornwal, or of any port of the country.

A Premium of Five Pounds, by the discist, for the best paper on the Subarism of Cornwal, to the mediance of the opposition, and the control of the country with the districts, to the habit of the pounds of the country of the major of the paper of the country of

Historicative of the five orders of architecture.

THE FOLLOWING PREMIUMS, BY THE SOCIETY, FOR PERSONS UNION FOR PERSONS UNION OF THE HIGHEST YEARS.

A Premium of Two Guineas, but the least fixed eigents hand from notices.

A Premium of One Pound, for the least fixed eigents from major of a mandacape from nature.

A Premium of One Pound, for the least water defeate or wing from nature.

A Premium of One Pound, for the least water defeate or wing from nature.

A Premium of One Pound, for the least water defeated from the first nature.

A Premium of One Pound, for the least uses which third helmed the most extensive and necessary of mandace, or featent, discovering, in any part of the work.

A Premium of One Pound, for the least prespective matrices, with illustrations.

The consideration of achieves in this country are invited to conserving their pu,th the

Charles For. Em., offers to the Society, as long as he continues a member of the sam of Four Proports associatly, to be deprincipal to the respective same of Four houses, One Founds, Tweeter Scillings, and Sight mistlings, to four erroral prior the resizes and must correct made of some one diele, provises, of Sampsiumy, computing and loss than the square thing, or a portion, of soil loss if a square degrees, of some analytical regime - Twee priors to be called Lander Frigas," in commemoration of these enterprising travellers, Sinhard to the Lander Priors.

I conquere degrees, of sents ancivitional regions. These prises in he cannot the Lancer Pieze, "In commenturation of these entryprising cravations, Richard and John Lancer Monthers and paramen resident to the domesty may conquere for any of the prises offered by the evoluty. A few prises will be given for easeful inventions and improvements, sent to the arbitation as by present resideing out of the county of the prises in the fine artis, these they monitor commises of the arctis, continued to the control of the county. Priors will be given for well conducted appointment in the arts, selecting, and the control of the county of the control of the county. Priors will be given for well conducted appointment in the arts, selecting, and accordancely being a service of conducty. The section thereing of aircons of conclusived appointment in the arts, arisement, and the control of the co

PATENT PERRYLAN GRAVITATING INKSTAND,

Hereville, Over Jr. 1882.

It is recommended and facility. The increasions is such a simple and medium recommendations to general adoption consists to the entire passes recommended from the fact from becoming facts for thirth, and then, by a story's serving meaning of the good in the second of the serving of the transfer of the serving of the servin

LAW INTELLIGENCE.

HOT-HLAST—NELLON'S PATENT.

HOUSEHILL COAL AND IRON COMPANY II. NELLON AND OTHERS.

HOUSEHILL COAL AND IRON COMPANY II. NELLON AND OTHERS.

—This was an appeal against a decree of the Coart of Section, establishing the validity of a patent, them ont by Mr. Nellone, in the year 1803, for "his invention for the improved application of air to produce heat in free, forgre, and formates, where believes or other blowing appearates are equived." Mr. Nellone and population of an infringement of this patent, is registed, and brought an action, in the Court of Escheques, when he encounded; and he also took proceedings, with the like result, in the Court of Chancery. The appellents were then changed by him with having infringed his patent at their for-aires is Sectiond, and this suit was leadilated. The Court of Section text to a large section issues, the material one of which was, whether, in the course of in Sectiond, and this suit was leadilation. The Court of Searline sent to a large sectain issues, the material one of which was, whether, in the course of the year 1000, and during the currency of the letters patent, the defendants did, at their works, use markinery or apparatus this teachinally the same with the makinery or apparatus described in the paramet aspecification?—Whether the invention, as described in the letters patent, was not the original lawrention of the pursued?—Wiether the description of it, in the specification, was not sufficient !—and selecther it was not practically useful? The jury entered a vertical to the pursue of a sufficient !—and selecther it was not practically useful? The jury entered a vertical for the pursues of shirters, signing the avidence received at the rial, and the manner is which the case was left to the jury. The Court of feasion disallemed these exceptions, and gave judgment for Mr. Neilson and he other pursues. Against this judgment the present appeal was brought. The hearing of the case was proceeded with until Tuendry afternoon, when he Lord Chanceller, being cummoned to attend a Cableat Council, postpound to useful Monday sext.—A detailed report of the arguments will appear when he case is concluded.

LIABILITY OF DIRECTORS OF PUBLIC COMPANIES.

LIABILITY OF DIRECTORS OF PUBLIC COMPANIES.

LIABILITY OF DIRECTORS OF PUBLIC COMPANIES.

VIEW CHARCELORS' COURT—FRE. 22.

DERKER AND OTWERN OF SYANDOWS AND OTHERS.—This sewes has arises and of the failure of that insibits spretulation, the Maryfebrone Juint. Stock Booking Company. The solpect of the soil is to make the directors, the Hon. Col.

L. Stanhape, and several other graticmen, answershie for the leases which the distributes and other shareholders seminated from their silvered neglect and missing and other shareholders seminated from their silvered neglect and missing and monies and securities are received by the defendants on account may be also of all shares alicited and disposed of by them, and all monies seemed on account of such shares, with the proceeds of the sole of the house sleening is the company—of monies level, and the accounts received by David Hacony, Ac.—To this bill, so framed, and praying ouch extensive rester, the defendants have put in a democracy on two grounds—want of equity, and mant of partice. The connect for the defendants argued in support of the converse, but the learnest encound not having conclusion their squaments at the rising of the court, the further hearing of the case was postposed.

The case was concluded on Thursday, when fits However observed that, noter all the circumstances, he did not think it would be right to shut out be plaintiff from all relief in a case of this nature, as the statements in the ill sould not be pure invention, though, perhaps, the language might be store lear and precise. Though the bill had been cope assended, there had been no represent an the former descurrer, and he thought it would be better, as the statement in the former descurrer; and he thought it would be better, as the statement in the former descurrer, and he thought it would be better, as the statement in the former descurrer; and he thought it would be better, as the statement as the former descurrer; and he thought it would be the builty, as the could not proceed to the precess consideration of the record, to allow the

PROCEEDINGS OF SCIENTIFIC BODIES.

He should, therefore, also the domarrars, with leave to amond.

PROCEEDINGS OF SCIENTIFIC BODIES.

INSTITUTION OF CIVIL ENGINEERS.

Fab. 21.—The Paratarage is the chair.—At the commensument of the meeting, his Green the Dake of Honoleuch was presented on his election as a honorary souther.—The discussion was rene well upon Mr. Clay's process of making malirable from at one process from homostic ore. It was shown that of the 19,600 tons of steel mode amonally in this country, and more than piece in the 19,500 tons of steel mode amonally in this country, and more than piece in the steel of the countries of the co

PROCEEDINGS OF PUBLIC COMPANIES.

DURHAM COUNTY COAL COMPANY.

The thirteenth half-yearly general meeting of propositions in this company, was held at his Sun Hotel, Durington, our Tourship, the 22d instant—F. S. Strokes, Eq., in the chair.—Mr. Clearway read the notice courseling the meeting, and the directors' report, in which they expressible in which they had embarked, they had to report a continued and heavier depression, and a considerable falling off in the general consumption as compared with the previous year, being a decline of 73 per 1800. The projected arrangements with regard to Gordon, and Exerwood Collieries, they were sovry to say, were still matters of sepeciation, owing to the despitical forms in Chancery; they had not produced the beneficial results expected, and Mr. Shaffor, the land force, had offered come reduction to the sent. From the Contact Colliery had offered come reduction to the sent. From the Contact Colliery had offered come reduction to the sent. From the Contact Colliery had offered come reduction to the sent. From the Contact Colliery had not produced the beneficial results expected, and Mr. Shaffor, the land force, had offered come reduction to the sent. From the Contact Colliery had not produced the beneficial results expected, and Mr. Shaffor, the land force were had one from the conflict of the sent. From the Contact Colliery the sharehalders ought to have satisfying the sent. From the Contact Colliery the sharehalders ought to have a sticipated single profess, which expectation, however, non-tending for a larger proportion, as, on locking at others in the arighbourhood, and the importance of Contact, they are satisfied it ought to have a larger basis. Is the action with the Stockton and Darlington Railway Company, they had successful in composition them to pay into court the amount of their overchanges, 75071. 16n. The total amount of their claim being 10,1321. 13n. 6d, exclusive of the amount of proper and successful in contact claim sent on the contact of the fatour; a collect to the neglector, and not m

STRAY PARK AND CAMBORNE VEAN MINES A general meeting of shareholders in these mines was held on Thursday, the 16th fast, when the accounts were submitted, from which it appeared that, for the four months rading December, 1842, the tutwork coat had been 1211. 1843, 3d.; tribute, 111df. 2s. 2d.; merchants bills, 10066, 9s. 6d.; and lorder dues, 227f. 19s. 4d.—white eres sold had amounted to 3340f. 3s., and these remained a bainness in hand of 37f. 10s. 5d. It was resolved that the accounts, having been examined, be allowed, and that Mr. Vawdrey but in future charged at ten guineas per month, hastend of eight guineas, as at present.

WEST WHEAL JEWEL MINING ASSOCIATION. WEST WHEAL JEWEL MINING ASSOCIATION.

A special meeting of the shareholders of this company was held on Thursday, the 23d last, at the office, 23. Threadmendic-street, James Henow, Eq., in the shair.—The notice convenien the meeting having been read by the Szconkrany, it was neverably Mr. One my not seconded by Mr. Ganza Arg. "that the remotation, massed at the appeal general meeting held on the 3d inst., by virtue of which Mr. Cardona and Mr. John Lyle were removed from the committee of management of this mine, be now confirmed," which having been done manimously, the meeting adjourned.

NEWCANTLE AND DARLINGTON JUNCTION RAILWAY.
The second half, yearly meeting of this company was held at the York Station, on Monday, the 13th instant, Gronun Hudson, Kaq., is the chair.—
The Sacantary read the report, from which it appeared that it was probable the railway monic he completed by the time encitosed in the last report—
with, July, 1848; and thus open an uninterrupted line of railway communication between London and Carible. The statement of accounts should
that the amount received on calls, &c., was 70,513. 6s.; and dishursements,
45,414f, 19s. 6d.; leaving a balance in hand of 23,09nl. 6s. 4d.—After some
consequencies, is which it was stated that another call would be required about
April, the report was adopted.—Tanks were roted to the chairman and directure, and the meeting reporated.

GREAT NORTH OF ENGLAND BAILWAY.

GREAT NORTH OF ENGLAND RAILWAY.

The functionth half-yearly general meeting of proprietors was held on the 18th last, at the finn Inc. Darlington, GRORGH H. WILKLINGON, Engl., in the chair.—From the report, it appeared that the total expense of the construction of the railway had been 1,192,000d. 10a, 9d., in addition to which there was due for land 71,18th. 19a, 8th. The directors recommended entalgars along the fine, for the plate-injers, which would pay about 71, per cout. on the entary (about 2009d.), and to the construct of the men, and very much increase the security of the passengers, in cases of chatraction or delay of trains. In the revenue second there was a balance of profit on the half-year of axind, 7a, hd., after deducting the reserve fined, from which they recommended a dividend of 1.6 as, per chase.—A lung conversation tools place expecting the expenditure of the line over and above the estimated aments 1; a tabular statement was drawn up by Mr. J. Pranc, jun., showing the comparison, which gave much satisfaction; and it was distinctly undervious from the discussions that the whole line would be completed for the sum of 1,300,000d.—The expect was then admitted, a dividend of I.6 as, per shore—from the discussion was then admitted a newline of I.6 the sum of 1,300,000d.—The expect was then admitted, in dividend of I.6 as, per shore decision (Mr. A. Dine-dale was appealed an auditore, in the country coparation.)

The thicteenth general half spency meeting of shareholders to this company was held at the Econot-room, in the city of York, on Monday, the 12th inst. Chronice Ptencer, Eco., in the city of York, on Monday, the 12th inst. Chronice Ptencer, Eco., in the choir,—The receipts for the half-year had been 46,3046, it. 14. it.d.; working the line, 17,0726, in. 64.; and leterest, shake, or, i.d.; making a pital dishursement of 21,4396, in. 54. in the Locals and Helpe Railway account showed a balancie of 1160, 10a. 46. in Kronel of the York and North Midland Company, as issues of the line. The directors recommended a dividence of 46, 10a, per charcy, and interest on the half-share at the same rate; this would becaue a sacylas of 250pl, 6a, 10d, to be added to the reserved fund, which would then amount to 657pl, 17a, 3d. On the dabt of 300dl, which to various precome, the interest would be reduced from 56, to 61, per cost,—The report was adopted, the dividend declared, and thanks were voted in the chairman and directors.

NORTH MIDEAND KAILWAY.

NORTH MIDIAND RAILWAY.

The half yearly general eserting of the proprieture in this company was bold at the founds massion, we wister, the start heat, W. L. Newvow, Keyler threshold the fire start heat, W. L. Newvow, Keyler the chair.—The report alleded to bis, difficulties the directors had half to meanad with, he correspond to the reduction of capsulation decided speed, the region divirue and substituted, therefore, we under now set of men, who had, is most instances, proved digital and able they much regentled the acceleration of the law tenders which had be meanaded in the town of life.—The accounts for the half-year champed a distinction of recognition of \$27.5, and of expeculation (1,1945.) and provide, \$3,485, from which the directors recommended a distinct of the figure share, and Minth to the recover Pend.—A sharing discussion exceeds, but eventually the regent was adopted, and the meeting superstart.

affairs of the bank were in a most healthy state, and that they only we a general revival of commerce, to cashle them to give, to the propriet study, and, they trust, increasing pendis. The report was adopted in emergenees of the desirable Dr. Miller, one of the directors, it was not to fill up the vacancy, thus reducing the number of the directors in to four.—The thanks of the mosting were then valed to the chairmanthe meeting arguments.

GENERAL STEAM NAVIGATION COMPANY. GENERAL STEAM NAVIGATION COMPANY.

The half-yearly meeting of the proprietors was held on Tuesday, the 21st inst., at the office of the corporation, 69. Lombard-street, and mas sumerunsly and respectably attraded. The chair was taken by Joint Wilkins, Eq. (in the absence, from illness, of Welverley Attwood, Eq., the chairman of the company), when the report of the directors and the acquisits for the year were read, from which it appeared that, notwithstanding the great deprecation of trade, the operations of the last year bad been successful, and that the general condition of the company's affairs was highly satisfactor.—The sustomary divided and bonus were declared, after which the cordial thanks of the proprietors were voted to the chairman and directors, for their continued exertions for the interests of the company.

of the preprietors were voted to the chairman and directors, for their continued exertions for the interests of the company.

LICENSED VICTUALLERS' AND GENERAL FIRE AND LIFE ASSUHANCE COMPANY.

The seventh annual meeting of this company was held at the establishment at London-bridge, on Monday, the 30th instant.

The chair was taken by Charles Hisladden, Eng., when the Secarrany (Mr. Fawcett) read the report of the directors, which congratulated the proprietors on the increase of business which had taken place, and more perficularly since the last annual meeting—the fire and life assurances, being originally under a million, having now extended to nearly eight millions. The accounts would not be gone into, as it had been done at the quinquesa in lowesting two years since. The directors regretted having to annunces the decease of one of their oldest fricads—viz., Ald. Sir John Cowan, Part., who had always been most anxiously devoted to the society. Pursuant in the form of the Deed of Settlement, Charles Hienden, Esq. (the chairman). John Lond, Esq., and Henry Jackson. Esc., went out of office by retation, but me, Bleaden and Mr. Land had offered themselves for re-relection. In the reserved would be proposed, and in the room of Mr. Jackson, who had resigned, Mr. Ald. and Sheriff Hooper would be proposed by the directors. The several gent during the year, the annue of Mr. A. Murray was unbmitted in his plane. On the motion of Mr. Struswarr, seconded by Mr. G. Wallyne, having resigned during the year, the annue of Mr. A. Murray was unbmitted in his plane. On the motion of Mr. Struswarr, seconded by Mr. G. Wallyne, the report was reserviced with much astisfaction, and ordered the neaters don't be multien. Ald. Musgrove and Mr. Ald. and Sheriff Hooper were also altered in the minute. Charles Bleaden, Esq., and John Lund, Esq., were then re-elected,—Mr. Ald. Musgrove and Mr. Ald. and Sheriff Hooper were also altered directors.—Mr. Murray was elected an auditor, and the members of the committee who offered themselves w

Cu arlies Bleader, Esq., returned thanks for the directors, and D. W. Wire, Esq., for the other officers of the seciety.—The meeting then adjourned.

A special meeting of this company was held at the Leadon Tavers, on Wesloesdey, the 22d instant, pursuant to an advertisement, in which it was stated, that the object of the meeting would be to fill up a vacance in the direction, and also to consider the propriety of adopting the sircular lately instant to emigrants by the directors.—The chair was taken by G. R. Rours and also to consider the propriety of adopting the sircular lately instant of the part of the company), who said, that having been requirated by a list of twenty-one proprietors to grant a special meeting, he had done so, though many of them had not sufficient shares to entite them to sign a requisition; of this the directors did not take advantage, for, being at all times desirous of acting in harmony with the proprietors, they had convened the meeting, no if the requisition had been a proper one.—The Sacanswar of the meeting had been a summoned—Upon this notice, Colonel Sir Huway Bayley at the section of the advantage of the Colonel Sir Huway Bayley at the section of the sir of the directors, as to the state of the company. He considered it excentially necessary to fill up the vacancy in the direction, as he had understood that all the acts of the directors became invalid, by the charter, from the time they neglected to fill up that vacancy to the present moment, which was one reason for his calling the meeting, as he considered it a neglect of duty on the part of the directors, in regard to the lands in Canada, in an ambenbe tone, concluded it a lengthened appeals by moving that a committee of five variety and appeals by moving that a committee of five variety of the directors, in regard to the lands in Canada, in an ambenbe tone, concluded it an explicit of duty on the particular of the concentration of the concen

MAILWAYS (N. FRANCE.—On the last of May mast (the unsistency of the hirth-day of his Majenty Louis Pailippe) two of the projected lines of railway. It is expected, will be operated—one from Paris to Riogen, a distance of the hirth to the morth, and the other from Paris to Orleans, 23 onlies south—which are both in that state of forewardness that no should be restricted and of their being operated on that day. The whole of the projected lines is Krance have now been accounted for the purposes, of which want 25,000,0000. have already been planed at the disposal of the Minister of Public Works, to be applied as follows—For the lines from Paris to Amberia (part of the lines to the Beighten species), 5,000,0000.; the same line, the part between Rivarium and Homosociu, 2,000,0000.; Paris to the Ministermien, between Dijus and Cohlan. 2,000,0000.; Paris to the Ministermien, between Dijus and Forester. Paris to the Species of the Species, 6,000,0000.; Paris to the Control of the Species, 6,000,0000.; Paris to the Species of the Species, 6,000,0000.; Paris to the Control of the same of the Advance. Chicken, Ratio and Toney, 6,000,0000. The same line, but were of the projected pathway from Lucionary N. Ratio and V.—A promoreus of the projected pathway from Lucionary to Canting, view Kendul and Present, has been exceenify published;

Date of Account of Repairings a High Chimmer of Memory. Compared Collision Works, at Chapter's Land Chapter's L

to ad-ender-build moves the co-geted of the ac-tions of foreign of the period foreign to present to the period foreign to present to the period foreign of the period foreig

COAL MINING OPERATIONS-No. 11.

COAL MINING OPERATIONS—No. II.

CATARS AND MEANS OF PERVENTION OF ACCIDENTS.

LISTANT LABOUR IX MINES.

This part of the investigations of the committee has been entered into with the same humane anxiety to relieve the sufferings of the working miner, as the report all through catabits; it is proved that a great source of danger in mines, arises from the employment of hops of a very early age, an trappers, frequently much under ten years, from which have action explosions and accidents of a very serious nature, several of which are related, the fault cannot reasonably be imputed to the poor children, ignorant of the consequences of their acts, cooped up alone in the vilent darkness of the pit, for twelve bears, unrelieved from the monostony of their solitary comployment, it is not up to eurprised at, that the natural thoughtlessness and activity of their years thould prevail, and that they should seek relief a little distance of with another imprisoned child, and have their district exposed to all the consequences that now occur. It appears that for the chief air velue of mines, crussings are becoming more frequently employed, an arch air-duct, thrown over noother passage at any angle, required to convey the current in another direction, prevents the so frequent employment of boys, and adds to the sinfety of the mine. These nice ducts would be much ader, if inclined drifts were out in the solid stone, either above or below the level of the transverse passage, which would form so much stronger crossings, that should an explosion occur, they would not be hibown out; as too commonly happens; in the accident at St. Hilds, in 1839, this circumstance was the cause of thirty deaths by affections. The committee recommend that in all cases, where thy can possibly be obtained, careful, steady, and experienced old men, who are unfitted for notice labour, should be employed as trappers, particularly at important doors when they exist, the difference of expense of St. or 4s. per week, being too language fifteen to admit as

wheth a ber, not originally connected with a mine, vaniance upon the undertaing. Much to the expell of Napolescon, and to the disgrace of Regiand, this matter was inplicated spon by him thirty years ago, and is now the law in France, Belgiam, and Irlay, that no child under the years of age be permitted to dexeeud a mine, much hera to work in them.

REGISTRED PLAN AND SECTIONS.

The want of a requise system of registration of plans and acctions has been a great onaison, and productive of the most serious sections by insudation and otherwise. Twice in the Type discrict, within a few years, have old working been pentucled, and upwards of eighty lives sacrified by drowing and subcation, and at Workington, in 1833, the Lady and lashells Plus were similarly juniandent, and four out of thirty two destroyed; about the eight of a similarly plantained, and sponsor to be in their vicinity, reader the eight of the lest is considerable quantity at low requirestivers, is of vari practical importance from its applications, and all out of almost low little light have the headed of each decoration included as in decoration included as in the responsibility at low requirement of the construction of the appertune obtained by the remains of the construction of the appertune obtained by the remains of the construction of the appertune obtained by the remains of the construction of the appertune obtained by the remains of the construction of propertune obtained by the remains of the construction of propertune obtained by the remains of the construction of models, the section of the said of the construction of models, then, while Christian England, at the lead of the construction of models, the, while Christian England, at the lead of the construction of models, the, while Christian England, at the lead of the construction of models, the, while Christian England, at the lead of the construction of models, the, while Christian England, at the lead of the construction of models, the, while Christian England, at the lead of the construction of models, the, while Christian England, at the lead of the construction of models, the lead of the construction of the models of the construction of t

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at all the universities; the professional education to be recapieted by a cours of practical mining and ragineering at the University of Durham, whose contidents should be imperatively accessary before permission be obtained to assume so responsible a situation. Thus would mining be elevated to a certain scientific profession, with all the appliances of the existing knowledge and experiences of the day, instead of the rude, uncertain, unsystematic, and descrease of the day, instead of the rude, uncertain, unsystematic, and descrease of the day, instead of the rude, uncertain, unsystematic, and descrease of the day, instead of the rude, uncertain, unsystematic, and descrease of the day, instead of the rude, uncertain, unsystematic, and descrease of the day instead of the rude; the continued to country like Britain for the development of her mining resources, and the protection from fearful disasters of a large and useful section of her people.

[To be continued in our next.]

MINING CORNESPONDENCE.

VARGOLLAN WINING COMPANY.

Feb. 20.—The lode in the engine shaft is still in the said rock, engineed principally of capel and appr. but superductive. The lude is the lifts fathers invel cast is much the same on last reported, preducing a little over. The leafs to extending the forty fathers level east, is principally compound of acfs apar, with a very kindly appearance, producing some black and grey over. The tribute pitches are such the same.

J. Ninnio.

Feb. 10.—The lode is Herwards Minion Company.

Feb. 10.—The lode is Herwards tally, slabing sades the forty fathers level, is twenty inches wide—tribute ground. The losis to the forty fathers level, and of Herward's chart, is two test wide—very good tribute ground. The listed Will's lode, at the said level, west of Moreous's shaft, to one first wide, preducing a small quantity of ore. The th lode is the teach of the said level, west of Moreous's chart, is small and reported.

H. Williams. J. Moreous.

LAMAR SILVER-LEAD MINION COMPANY.

18,103 reis. 36. I think the average cost in a few months wind, owo reis. Arrantre—The arrantre in our hands in a decided it he present coming and from the stamps. Harrett concentrated a quantity, and the result gave a sand very rich in pyrites and gold, sand; this sand yielded 25 oits, of gold to a ten of concentrated a adopted a process to endeavour to catch the finest particles of gold in its operation, but all to no purpose; I will send you some in a that you may have it assayed. I have Mr. Leny's reports but that you may have it assayed. I have Mr. Leny's reports but

Similaring Constitution from the content of the con

MINING NOTICES.

Mount Vannon Mining Contraint.—The directors of this go have remodelled their deed, reduced the number of shares to 2400, one of which is held by Mounes. Burger and Drew, and the other mainty proceed shareholders, and will proceed to such the other proceedings and the shareholders. A general meeting of the properture is to take pin day fortosight, to confirm what ware agreed to at the meeting pract Jameica paper, Jam. 16.

Mentage in Tourier—The Turkish Government is directing first towards unjoing. Home Provision angineers have, for a considerable the compleyed is the copper mines of Tourie. It is said that sliver has been recided in the name mines.

Vannon-vup Manne, —A bed of variegated markle has been discontinued as measured in the name to guarry, belonging to George Pytus, Empt is diston Tyan, near Histomond. A small part both been dreamed by a more man, and the positive is beautiful.— Journal of the complete, Cambaran Hurn and Spectual Contraint.— The composition than a Journal, were, we understand, bought in. and like result attanded the larbour bounds.

harbone bonds.

PLYMORTH LAGE. Works. — Anddet so much news respecting to some of the iron trade. It is truly one-olded to report that a formation being put to blast as Promoved Irone-Works. We hope it is correct the other head, it is declared that many underground works we changed in the course of a few works. — Significa.

S MOKE NUISANCE - ECONOMY OF FUEL WITHOUT MORE NUISANCE.—ECONOMY OF PUELS WITHOUT the NUISANCE reve SMORE, by C. W. WILLIAMS'S ARBAND PURNACE. The principle of this furnace consists in the mode by which the air is interedenced the gameses marter evolved from coal, where by a more perfect combustion of the utilizance is effected, the process being conducted on true rhemical principles, nephrinced by Mr. Williams, in his Transition on the Combustion of Coal. A furn or, circuited on this principle may, by permission, be deliy seen in action at the Sov. works, Schoe street, and Mannhoure Railway station, Edge-hid, Liverpool, without information, apply to Direas and Co., agents, J. Town-hall-buildings.

CAUTION.—SMOKE PREVENTION.—Ms. JOSEPH

WILLIAMS.—The public have already here CAUTIONED, by the ADVENTIONING OF DIRCKS and CO. (see the Mining Journal, the Ablem and other Learned) papers), AGAINST the Ind PONTIONS PRACTISED by Mr. JOREPH WILLIAMS, of this tyres, who, having so parent of his own, bea, to der colour of applicable by the patient of Mr. Kavra, here introduction MO (PRICATIONE and IN-ASISTOPHEN'S) of the PAPERT of Mr. C. W. WILLIAMS, for the MODE of DYTADOUCHNO AND NO FUNDA SCIENCES and the PAPERTON on MODE.

In the late advertisement jess the Maning Journal, and the Mercury of the Alice Becombert, Mr. Joseph Williams store as recipiences: "That he the setting protects of En ta's parent; seed the forthess of the two and consumer which is devices to to be, was not convenienced by r. Andrew Karra bloomed on board the Mygnal." To this alleration Mr. C. Williams states, on the author by Mr. Karra bloomed, that that genetic man was acknowledged by r. Andrew Karra bloomed on board the Mygnal." To this alleration Mr. C. Williams states, on the author by of Mr. Karra bloomed, that that genetic and consumer which he devices to the two parents of the Mr. Carra was consocied with what was done to the formace of the two feets of the colour the parents of the Appearance of the Appearance

anothedged by Mr Kuris," such assertion is non-only the air a topted by Mr J. It is hereby fairness estated, that the mode of admitting the air a topted by Mr J. It is hereby fairness and the which he attempted in derwire the Admirally and the positie, unar perturne of its being the positie of its Kuris, is no vary conformation to that manuf, and that neither Mr Joseph Williams, nor any not connected with him, has pained for the asinc such being a direct intringement of Mr. C. W. Williams's coloni. I iverpool, Jan. 7.

potent for the same such being a direct intringement of Mr. C. W. Williams's potent. Prepared, Jan. 1.

MOKE.—The following remarks on RODDA'S PLAN were made at the meeting of the Leeds there a Committee, held Jan. 24, 14a.—The first Jan. 24. He was east, that, if the meeting would person him, he would meetine what pinces he knew to be avery effectived. He had been for year's amorpid at his residence at Mythodox by the accidence at fairing from the cold of Measur. Romin on the Co., at that place. He had cremorated with them on the colden, heat was the had cremorated with them on the colden, heat had go to be accident and the same of the colden, heat had go to be a coldent and the cold governed as a six of his security of the coldent and the coldent had been for the resident had go to cold the coldent had been for the coldent had been for all the coldent had been for the remover with the coldent and the coldent had been for the coldent had coldent and coldent coldent coldent coldent coldent coldent coldent coldent coldent c

B. BODDA is now in LEEDS, and bega to inflorm the PROPRIETORS of STEAM NGIVES, Am., in Yorkshire, Laurenshire, and elsewhere, that he has REDUCED BIS PRICE:, and is also furnished with numerous tection-picts as to the perfect section of his plan for CONSUMING NMOKE and SAVING PUEL.—Communicabies, addressed to 11, Briggate, Louis, attended to immediately.

RIGHT'S PATENT DRAG.—The use of a drag to carriages being sometically and the parties wishing not safety and relief to their horses have now as equationally of heaving one in the safety and relief to their horses have now as equationally of heaving one in the safety and relief to their horses have been obvious best without heaving the present of the property of the present of t

To TES Panelagenes or Waters's savent bear.

Baring had your desg in one on the Stories Court, canning dairy from North Panel pints and Viction, and buck, note one or the sense hits years for to the Waters in the Waters, and the Stories of the sense fifty reach in the Waters, during the last form sensons, we Stories our verification for its man, admining a great retail to this in resea, and a national of them. All half as from the sense of thirteen ordine, and the samewall year when however, will be recovered admirately.

GEORGE RENDALL,

WILLIAM LAMERST Crackman,
JOHN WIST CONSTRUCT Constitute.

Proprietors

COMPOSITIONS FOR WRITING WITH STEEL PENS. OMPOSITIONS FOR WRITING WITH STEEL PENS.

PROPERTY IN WRITING PLUIDS. Those recompositions, which have no reunity EXTENDED THE U-S of the STEEL FEV, are bringed to rever acrewhich, among more way to write with, more distrain, and in every requel
which, among more way to write with, more distrain, and in every requel
which among more and to write with, more distrain, and in every request
proin to the ordinary int. (a water officears they have become assential.

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A water maching both for more, and information adapted for presenting in the forementation and death, convergingly forest the property, a birth will problem

requirements and final.

Before all rath convergences for writing from, are required, a birth will provide many final rath. Some of the convergence of these afficient, to do so so a significant of the convergence of the co

THE HEREY STEPHEVE, the large-tor, is, Papelled Street, Black-Stars, as, and and to excitowers and broken from the sealing are to the papeller are, therefore, one companies that Saids are publish articles, the paddit are, therefore, one can include a sealing as a sealing as the sealing as t

TAGNETO PLATING. — The FIRST DESCRIPTION of this game is no considerable to the security for the subsected should be subsected to the subsection of the subs

NEW ROYAL EXCHANGE—THE ARCHITECT, ENGI
PLESS AND BURTS On No. 4, will be pertissed as I provided doors, and
age commands a Dissolution of the Dissolution of the new Bursel Exchanges
by advanced with a segment of the Dissolution of the new Bursel Exchanges
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MESSES. WATKING AND HOOPER, II. SACKVILLE-STREET, LONDON.

By the use of this process, it is believed that the whole of the veins of anthracide in the lines with Weish Basis, amounting in the aggregate to 3:3 text in their-ness, are applicable in the purpose, all these above, and including the hra a vein being nearly a feet of the whole, have been successfully used by the patentee, at the Yolk order, increased and including the hra a vein being nearly a feet of the whole, have been successfully used by the patentee, at the Yolk order, per to not inco, are relied to the american process, has varied from 27 to 36 over, per ton of iton, are relied to the second each color.

To beat the blast, the average consumption has been from 7 to 9 owt of inferior cond and color.

With rangest to the strength of 80T-BLAST Anthracite from, the public are referred to the chort-hand writer's report of the evidence given on the trial in the Common Pleas, Feb. 11, 16th, in the conse, "Crane price,"

Falls 51.—Mr. David Moshet deposed, that he had taken a similar series of bars to those described and made size of by Mr. Tredeniel, for which see his work upon the subject; the same sized bars of remeited COLD-BLAST CAST-IRON, which would only appoint 2 its he., required 2 its he. to break them, when oast with remeited HOT-olaST ANTHRACTIE is N
Falls 27 and 1 a.—Mr. George Cottem stated in his evidence, that, with hars four feet new visit the supports, and can look aquase, the following had been the result of his experiments—

Remeited COLD-BLAST 18ON broke at 440 lite, to 445 lite.

Remeited COLD-SLATT IRON broke at 440 lbs. to 445 lbs.

Remeiled HOT-SLAST ANTHRACITE IRON broke at 500 lbs Fide Mr. G. Cottam's evidence likewise with respect to the extraordinary flexi-itity of bos-blast anthracite iron, in the same document.

COLD BLAS? ANTHRACITE PIG-IRON.—Mr. D. MUSHET, the author of the originated Treatise on the "Manufacture of from and smoot," who has make a series of most classwate experiments on this extraordinary ison. In concentrating, remarks :—"From three, and the former comparative experiments, it is obtained by critical, that the pig from now making, with cold-bitset and anthreefile, at the Yataly for North greatly extreets be of eight in deficitive owers, and capacity to rested timpset, any is at at this time manufactured in the United Simples."

TAFF VALE RAILWAY.— WANTED, an intelligent, active person as a SCREFARY to the TAFF VALE RAILWAY COMPASY.—Asdistallines are requested to be made by letter, addressed to "The Chairman of the Board of Birect. st. Cardiff," proof to the 14th of March, stating former occupation, and salary required.

HEFFIELD, ASHTON-UNDER-LYNE, & MANCHESTER NAILWAY.—YES DERS FOR LOANS.—The directors are prepare to GRANT MORYGAGES, under the powers of their Act of Parliament, FOR LOANS OF MUNEY, in sum, of not pass than d'or each, and for periods of three, b'e, or seven years, at the eadin of the lengther.—Internat, at the rate of a per one, per answer, with the paid hadi-yearly, for which internat warrants will be given for the period agreed on, perante the company is business to London, Manchester, or sheffled.
Further information may be obtained at the count, and 's offices to Manchester or sheffled in at the office of T. J. Parker, Eng. Buffled in Mores Sugaines and Stavesson, Stanchester; or Messers, Johnson, Son, and Wotherall Temple, London, Manchester, Fat. 13.

By order, J. PLATFORD, Secretary.

Manchester, Feb. 15.

By order. J. PLATFORD, Secretary.

BRISTOL AND EXETER RAILWAY.—CONTRACT FOR WIGES.—Notice is hereby given, that the elevators of this company will be a EVEC, on Friend, the 17th of March, at their offic, is Broad street, Bristol, TENDERS for the execution of the following WORKS:—

The formation of the railway, and the execution of all works connected therewith, except the laying or the permanent way, of that portion of the fine extending austinaria from the northern boundary of field No. A. (A. .) in the parath of Cullimpton, to chain stake, its miles of theirs, in the parath of Bresiment, a distance of should I mile in chains. CONTACT, No. 4 E.

The formation of the railway, and the execution of all works connected therewith, except the laying of the permanent way, of that portion of the foresteending southwards from the chains stake of miles -0 chains, in the partial of Bireadellat, to the continuous or moderary of field No. (S. in the partial of Bireadellat, to the southern woundary of field No. (S. in the partial of Bireadellat, to the southern woundary of field No. (S. in the partial of Bireadellat, to the months of chains.

CONTRACT, No. 5 E.

The formation of the railway, and the extending of the lose extending southwards from the chain railway, and the extending of the partial of Bireadellat, to the months of the contract, are one the ground.

Notice posts, showing the commencement and the termination of each contract, are on the ground.

are on the ground.

Brawings and specifications of the above works will be subhitted at the engineer's office, in Temple breads, Bristof, and printed forms of tendes may be not at the same office, or at the company's office, in Broad-street, after Monday, the 27th of Fubruary. The dire tors do not consider themselves bound to sately the lowest tender, and they expect the parties to attend at the office, in Broad street, Bristo, at Testes officed, in Broad street, Bristo, Office, as, Broad street, Bristo, Fubruary, Defice, as, Broad street, Bristo, J. B. BADHAM, Secretary.

UTUAL LIFE ASSURANCE SOCIETY,
As a General Meeting of the members of this society, bullets the light of January
lost, the agrounds of the so-very were prevented, made up to the light of January
lost, the agrounds of the so-very were prevented, made up to the light of January
lost, and a bosous, by way of addition for the so-me assured, was declared on all polines in the society on which two permisses had been paid.

The homes, on an average, amounts to a'm our cent, on the premisses actually
gaid. - The following is a specimen of the additions actually made to the nice podcies first granted by the society :--

Policy. No.	Sinte Assured	Pres	mie	m4.	Admin. sion Age	Add	Ráros	first wing	rafe mas	m per crut t of the pre-
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	pers	80	1.5		4.7	290		4.5	1.6	
	1300	2.0			84	319		49	1.0	
	\$400		18		81	84	10	86	1.0	
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	8018	114			5.7	4. 2	1.0	40		
100	1.500	4.5			9.5	741		34		

DISEASED AND HEALTHY LIVES ASS

20. PALL-MALL, LONDON - Cupital aftent, and.
This office is provided with our accurately meastructed fables, by which AbsULE DUSEA ED LIVEs on equilable terms.
The Earn Provides descriptional or restrictation of the abstract in presentation of the abstract in the Earn ED ANNUTTIES greated on Unaccount Lives—the amount varying

is particular discuss.

Mesoness of Con-amptive Families assured at equilibrie rates.

Mesoness of Con-amptive Families assured at equilibrie rates.

H.E.ALCHY LIVES are assured at Cover Rates than at most other offices.

F. G. P. MEILVON, Actuary.

A RGUS LIFE ASSURANCE COMPA

10. THE COMMONTON STREET, BANK.

Engeneral by special Art of Parliament, 1 & 6 William IV., esp. 76. COMPANY

THE MAN PARTICUIS, Eng., Abstrage, Chairman, niblian LEAF, Eng., Depoty Chairman. Edward bares, Esq. Edward bares, Esq. Thomas Campile, Esq. Famor Cirit, Esq. Report English. Departy-Cody vans.
Right Hore. John Homehery, Lord M. Jones of Louisson, M. F.
Thomas Kelly, Esp. And.
Jones in Philips. Req. Sheets of Louisson and Middlewsk.

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Age	Fee t	(Street,	Year	Per se	-	Tours.	Turn	100	Los.	
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par.	1			1	0	7				
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81		- 15		10	ď.	8	4.	-	18	

ANTHRACITE IRON.—CRANE'S PATENT.—
TERMS FOR LICENSES FOR SMELTING IRON.

BY THE COMBINATION OF ANTHRACITE AND HEATED AIR, MAY BE HAD SY APPLICATION TO THE MOLICITORS OF THE PATENTEE.

MESSES. WATKINS AND HOOPES, II. SACKVILLE STREET, LONDON.

By the use of this precess, it is believed that the whole of the velue of authoraced and the cost, in the save strength of hemogen rope; and its extraordinary durability is proved by the fact, among numerous others, that the costs in the sincer's week, are applicable to the purposes all those aboves, and including the hra a velocity of the whole, have been specumfully used by the patentee, at the via edwards, per five above.

The consequences of the whole, have been specumfully used by the patentee, at the via edward provided the whole, have been specumfully used by the patentee, at the via edwards, per five above.

The consequence of the whole, have been specumfully used by the patentee, at the via edwards provided to the whole, and for working trains on railways, by stationary engines, it is invaluable, and for working trains on railways, by stationary engines, it is for superior, and less liable to accidentee. The number topo, were five particular, and you will be not provided to accidentee the provided that the whole of the whole, and for working trains on railways, by stationary engines, it is for superior, and less liable to accidentee the liable, the average operations of the winds of overline particulars, apply to Mr. Andrew Smith, 2, while the liable, the average operations, it is for superior, and the other of the Mining Journal, 16, Fired-street, London.

EUROPEAN GAS COMPANY.— Notice is hereby given, that an EXTRAORDINARY GENERAL MEETING of proprietors will be held at the Company's House, No. 30, Finshury-circus, London, on Thursday, the sike of March part, at Two officies precisely, for the purpose of receiving the report of the directors, and for taking into consideration clause No. 40 of the deed of settlement. By order of the board,

30, Finshury-circus, Feb. 18.

By order of the norm,

By Finabury-circus, Peh. 18.

BRITANNIA LIFE ASSURANCE COMPANY,

I, PRINCES STREET, BANK. LONDON.

This institution is empowered by special Act of Parliament (4 Vet., esp. iz.), and
is no constituted as to adford the benefits of time assurances, in their in lest extent,
to policy be iders, and to present greats facilities and accommodation then are
usually offered by other companies. The decided superiority of its plans, and its
ciaim to public preference and support, have been proved incontestibly, by its extrace-dinary and unsprecedented success.

Assurances may either be effected by parties on their own lives, or by parties
interested therein on the lives of orders.

The effect of an assurance on a person's own life, is to eresis, one, a property
in reversion, which can by no other means be reasised. Take, for instance, the case
of a pe son at the age of thirty, who, by the payment of ht. as. 41, to the Britannia
Life Assurance Company, can become at core possessed of a begarabable property
amounting to a two, subject only to the condition of his continuing the same payment quarterly during the remainder of his life—a condition which may be full by
the times assing of sight shiftings weekly in his expenditure. Thus, by the exartism of a very slight degree of economy such, indeed, as can sourcely be left as
histonevenience he may at once realise a capital of drob, which he can bequark,
or dispose of, in any way he may think proper.

Detailed prompettures, and every requisite information as to the mode of effecting
assurances, may be obtained at the office.

PETER MORRISON, Resident Director.

A board of directors attend daily, at two o'cluck, for the despatch of business.

Just published, price is, sd.

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ILLUSTRATIONS, and FULL DIRECTIONS, for the use of Artists, Engravers, and Amasteurs witing to avail themselves of this valuable invention, by which
BOORS may now be ILLUSTRAIED in the mont FINISHED STYLE, securing to
the artist a faithful copy of his work, and to the author, or publisher, a very great
saving of expense, the drawings being transferred to surface printing blocks, which
are printed, like wood cuts, with the type.

E. Palmer, 1-3, Newgate-street, London.

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ILLUSTRATED POLYTECH NIC REVIEW, a Record
of science, the Floe Arts, and Literasure, containing newards of FIFIY ENGALVINGS. Bustrative of various branches of Science, Literature, and Biography, and Jie touced protect 4to columns of new fixe is in Science, the Fine Arts, with Reviews of, and choice Estracts from, New Books, Scientific Neetings, Music, Theastricais, Correspondence, and Varieties. PART I, price 1s. 44., contains upwards of FORTY BLUSI RATIONS.—This periodical is derived to the following emblects —SCIENCE, including ARTS and MANUFACTURES, with Diagrams.
The FINE ARTS—viz., PAINTING, SCULPIURE, and ARCHITECTURE, with suitable Blust-rations. LITERATURE, in whise Department with the included flow incomplete bond of reference for some transfer of science. CHEMISTRY, in its applications to the Arts, Manufactures, and to Agriculture, with the amongst the first antiques treated. A Series of Essays will be given, comprising all the known facts relating to this important section of Science. Bustocription for Stamped Edition jeant free by poot, 1, 1 is, a dynamical part of the paid in selvance.—London: published by John Limbird, 143, Strand, Bond by all bondsaviters and news agents throughout the United Kingdom.

PEFICE FOR PATENTS OF INVENTIONS AND REGIS.

OFFICE FOR PATENTS OF INVENTIONS AND REGISTRATION OF DESIGNS, 14, LINCOLN's-INN-FIELDS —Inventors and capitalists are informed, that all business relating to the securing and disposing of RIT. Bit and FOREIGN PATENTS, Preparation of Specifications, as observed to the new Consolidated Copyright of Designs Act, 5 and 8 Vie. cap. 10.—A prespectus, containing much meets information, may be obtained, and references to an alphabetical list of patents and registrations under, on applications in Ma. ALEXANDER PRINCE, 14, Lincoln's-Ina-Selds.

NOTICES TO CORRESPONDENTS.

NOTICES TO CORRESPONDENTS.

The Minimo Jounnal is regularly published shoul Two o'clock on Salarday oftenmore, of the affect, No. 2n, FireThTREET, where it can always be obtained,
and there is no count for trequitarily in its anapity, to form, other than neglect on
the part of the agent through whom it to ordered; but, as respects its transmission to country outsections, the binne is abarred with the Post-office authorities.

Anyanarys—" I. R."— We had not loss sight of the article on anthracite, but one
consistent have been so much engaged of inte, that we have not been able to find
zoom for two original matter with which we have been favoured by our emercuacorrespondents. We are the more anxious, however, to give insertion to this
pages, as the subject of anthractic will shortly be brought prominently before the
grottle—its success full adaptation for every purpose, by the spellention of a newlyintroduced invention, having been, we understand, proved to the satisfaction of
Government and other authorities. All perfonders will, of courter, appear in ear
columns.

DAL DUTY.—On reference to our entumon, during the agitation of the New Tariff,
"P. R." will find far more detailed: "statissical notes of the countrade," than he
has furnished. We are, however, chigod to home for his attention and for the
trouble be has taken. His papers are left for him in our office,

trouble he has taken. His papers are left for him in our office.

The firmula Quartime,—we must adhere to the determination before expressed, with retermined to commonications on this subject. "A Constant Braker," and "A Falentor," are, therefore, insimilarities, unless as anyertimenents. Seven Nichaeves, "Are, therefore, insimilarities, unless as anyertimenents, made meet but little encouragement from its, by the insertion of such ribality as the "Remonstrance," soldreased to fir Thomas Brancher, Khight. It is really a play to food visionity, a clever man, wasting but time and takent in the concections of such trash. Are the Liverpood papers closed against him?

"W. B." (Loursmouth), —Apply to Mexics, J. C. Robertons and Co., patent agents, First-street, who wid afford the information required.

Legravan on Crist, Evative cast a.—The concelling lecture of the series, recently desired by Protessor Vignotes, at the London University, "On Civil Engineering, with Theoretical and Practical Applications."—being a general summary of the office concerns will appear in our actst Journal.

"M. E." (Aborystwith).—We are obliged by the transmission of the paper, which shall received are forced.

successes firenerican or Candidavonina.—The next paper of the series will, providing, appear in our next.

Y. W. N. "(Cardiff).—The packet sever reached on, or we should, at least, have acknowledged in receipt. Any expense attending a fively compilation of spak valuable information, we will glastly remit, about our correspondent be inclined to farque us so lar.

MEETINGS OF SCIENTIFIC BODIES.

	IN THE RESCION MAKE					
ROCIATE.					IFA.	
Bires! Asiativ	14. Gradion street	Baturday				
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Wantschafer Medical.	Ruster Madi	Bulwriag	40 - 0		P. W.	
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sterioral	. Bolt-court, First street	Monday			P. M.	
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1	Shelloid and Artherings Railway Block id.	
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MINING JOURNAL Mailway and Commercial Gasette.

LONDON, FEBRUARY 25, 1843.

We avail ourselves of the earliest opportunity presented of placing efore our readers the first of the series of Parliamentary returns, aving reference to our imports and exports of ores and metals, shich we purpose continuing as they appear, so that the effect prouced by the Tariff may be understood. As we shall have ocasion, in our future Numbers, to refer to statistical details, and to
be statements drawn up last year, when the subject of the importion of foreign ores and the tariff question formed matter of disussion, we shall gladly avail ourselves of any information, calplated to elucidate the question, with which our correspondents culated to elucidate the question, with which our cor induced to favour us.

As the data before us will be best understood in a tabular for reso present it, on the present occasion, with some trite remarks, reserving, until another opportunity, those lengthened observations which the subject calls for, but which can only be duly appreciated and understood by a review of the question and reference to the past. We purpose, therefore, proceeding to give the quantities of ore and metal imported in the years 1842 and 1843—showing the

Metals.	1842.		1841.	increa		Ducr.
Copper ore tons	48,507	**-	49,221			
Copper, unwrought ewt	10,167					8,797
free in hars, nowrought tons	28,741		16,521		401011	
Steel, nawroughtewt	19,456					7,727
Lead, pig and shoet tons	1,162	****				
Spolter tons tons	6,509		6,672	 068		437
Tin, in blocks, &c ewt	28,455		11,120	 1800	100000	12,313
Quicksilver lbs l	,825,160		2,006,911	 185,731		-

Having thus given the comparative returns of "quantities imported" for the two past years, we will proceed to the second table showing the relative proportions of quantities entered for home consumption, which will be found to be—

Metala.	1642.	1843.	Incre	BBC.	Decr.
Copper ore tons	81	15,200	18,1	£	1400
Copper, unwrought	4	- 6	***	2	M105.
Iron in hars, &c tons	17,499	14,567	***		3,142
Steel unwrought ewt	A	182	1	7	1000
Lead, pig and sheet tous.		24	****	B	Sheet.
Apelter tons .	3,086	2,806	****		960
Tio, in blocks, Acewt	148	460	**** B	2	mak
Quicksilver	88,479	250,260			44,719

On reference to the gross duty received for the respective years we find that, for the articles enumerated in the preceding tables the duty paid, in 1842, was 37,074L; and, in 1843, 36,017L; thu diminution of 10571 .- a trivial difference, if we take the totals; but, as such involve the question at issue, it will be well to note how the amounts are made up, by which the state of the metal trade will be better understood; we thus find the results, with re to the gross amount of duty received, to be-

Metals.	1942.	1843.	increase.	Deer.
Copper ore	£ 56	Elb,548	. df 15,792	
Copper, nawrought	6			2
fron to bars, nawrought	27,825	17,035		10,790
Steel, unwrought	1	25	24	
Lead, pig and shoet	18	60		14 1 800
Mpetter	7,728	2,047	14 WH 12	3,456
Tin, in blocks, &c	117	149 .		
Quicksilver	1,326	1,135	11 MH 1	195

Having thus enumerated the imports, we now approach the exports of foreign and colonist produce, without reference to our home produce. In this instance we shall observe the same rule of furnishing tabular matter.—

Metals.	1642.		1845.	Increase	e	Deer.
Copper, unwrought cwt	It.448		6,804	 netti.		4,589
fron tons.	3,561		2,149		*****	
Steel, unwrought cwt	17,178		19,162			
Lead, pig tons	947					12,883
Spelter	1,406					1000
Tincwi	26,345		12,412	190	*12024	
Quicksilver tha I	768,387	+++1	457,448	 (000)	*****	219,464

As we have already observed, our object, on the present occasion As we have already observed, our object, on the present accasion, is merely to direct notice to figures, reserving any observations which may seem meet until we have before us further reports, on which conclusions may be arrived at or determined, the present returns being necessarily imperfect. Having, therefore, given the imports and exports of foreign and colonial produce, we now proceed to give the exports of British produce, with which our article for this week will conclude, the amount given being the "declared the" of the exportations. value" of the exportations

Coals and culm	6673.28°	#785,474	Encrease.	Decrease.
from and sevel	2,477,274	453,801		423,384
Copper and brass	1,523,744	. 1,671,784	796,050	
Levi	241, 154,	807,877	110,045	
Tio in bars, Ac	84,574	. 199,911	I LA, 757	· Mester
Tin plates		348,216	4 NAME A	36,374

Such are the results presented us by the returns of the House of Commons, and, as we purpose comparing them with those of the preceding twelve months, and furnishing a sketch, with tabular statements, having reference to the past and present, our readers will be, by such means, best enabled to form an opinion of the future

On referring to the List of Patents for the past month, we are glad to find that anthracite is about being applied, in earnest, to engines—whether stationary, locomotive, or marine—and thus bringing into play a vast mining district, and acting, as such, with a wholesome check on the cost of bituminous coal, which has been herstofore employed for those purposes to which anthracite is now found to be applicable. It may, at first sight, appear that we are heavy in acryving at such conclusions, from the mere circumstance hasty in arriving at such conclusions, from the mere circumstance of the patent being "sealed," even before the specification is en-rolled; but, as one of the patentees is well known to our readers as is correspondent to our Journal, and as we have had the opportu-aity of inspecting the drawings and making ourselves masters of the rationale of the invention, we have no hesitation in saying that our Welsh friends have, at last, thrown off the apathetic garb which they had so long assumed, and that we have brighter prospects

It is unnecessary, on the present occasion, to enter into minute particulars, or to describe the result of experiments made, inssome of the first and leading men of science, whose report and accretions we hope to lay before our readers in our next week's Journal. The economy in cost of fuel, consequent upon its lasting properties, and the reduced bulk for steam navigation purposes, are most important, while the total absence of smoke renders the question one of the first consideragines are employed. We conf We confess we do not see its application to ives, but on this, doubtless, we may have occasion to say We sincerely hope that the actual working (founded on MOPE. experiments said to be most conclusive) will justify our hopes and expectations, for, at a moment like the present, we not only require employment to be found, but economy in our manufactures, and which this appears to us well exiculated to produce.

We have, during the past week, had an opportunity of inspecting the perent dry gas meter, invested by Mr. Canon, in the presence of several gentlemen of ncionce connected with this and foreign countries, and cannot but express the satisfaction which the lurid explanations afforded by Mr. Canno and Prof. Viewoans gave to those assembled on the occasion. As we contemplate next week giving a paper descriptive of the scientific and mechanical arrange-ment of the motor, with diagrams, we down it unnecessary here to giving a paper nearrotive of the eccenture and manuscramery here to ment of the motor, with diagrams, we doesn it unnecessary here to expedients on its advantages, which appear to us to be of a reciprocal nature between the gas manufacturer and consumer, while the sea-new is of light—and not that of built, no matter its properties.

VISIT TO THE ENGLISH GOLD MINES IN BRAZIL

n of the route to them, from Rio de Janeiro

re are two roads leading to them, which unite at the cena, about 250 miles north of Rio de Janeiro—on the other the land-road. The former is the more fr belonging to the English resident shermen. Upon entering the off-naked negroes, coffee-hags, and putrified fish. The boots which of travellers from Rio are large enough to carry four persons, their high, and three or four borses; and, the Porto not being a very tempt sting-place, it is advisable not to delay any longer here than is actually considered and starting for the foot of the Serra d'Estrella (Mount the Stars), a distance of eight miles, where a bed, made of Indian convex, may be procured; and here the traveller is obliged to make his final of carne recor and feijon (beef, dried in the sun, and stawed which beans)—at first a most uninviting dish; but hunger soon make rese meal palatable. It is necessary to be on foot the next morning is sunrise, to commence accending the lofty Serra d'Estrella, which is parange of mountains extending east and west half across Brazil. It is up to the sun of the sun were meal palatable. It is necessary to be on fost the next morning before sunrise, to commence according the lofty Serra d'Estrella, which is part of a range of mountains extending east and west half across Brazil. The road up is a perfect zigzag, and paved the whole way (twelve miles) with broad stones. This enormous work was undertaken by the late Emperor on account of the losses and accidents which beful the trapeirus (unisteers) during the rainy seasons, the road being then frequently like a vast clay-pit, where many mules periabed. This road was cleven years in completing. Each horse or mule passing this way pays a toil of about 8d. The tropeiros take, generally, two or three days in according, the labour being terrible for their heavily laden mules. On reaching the summit, the traveller has a magalificant view of the city of Rio, with its harbour, which is considered to be the finest in the world. The descent on the north side of the mountain is very trifling, the valley being already more than 2000 feet higher than Rio de Janeiro. The road from the serra has been improved in many parts in a trifling degree, but much still recasins to be done. In two or three days, one may reach the small town of Parabibs and the river of the same man, which divides the province of Rio de Janeiro from that of Minas General, the richest and most populous in Brazil. The accommodation on leaving the serra is very wretched; in some places a matraxs may be found, but a dry bulleck's hide is far cleaser, although it may be found harder, and is generally preferred; frequently one is obliged to sleep in an open runche (a shed, with its roof supported by a few poles, but perfectly exposed on all sides). The food will be found to improve the mear one approaches the mixing district; pork, fowls, cabbages, and rice, are occasionally to be purchased. The provincial government of Minas has been, for some years, attempting to make a good road from their frontier to the chief town, a distance of 250 miles; but as yet only ten leagues ha

4.3" went long.

This mine belonged to the late Baron of Cattas Altas, of whom it was purchased, in 1825, by the Imperial Brazilian Mining Association. The suriferous formation is jucotings, which is easily worked out, but requires great securing, with strong timber, to prevent the crushing together. Googo has been the most productive mine in Brazil, several thousand pounds weight of gold having been extracted; in fact, the produce of one day was nearly 160 lbs. This mine, as well as all the others belonging to the companies, is worked by Corusia naineers and negroes. It is pleasing to see the many happy faces of the latter, in their Sunday clothen, receiving their weekly reward of money for any extra labour they may have performed, and afterwards enjoying their national alances and songs; they have no care; when they come from their eight bears daily labour, they find a good seen prepared for them, dey clothers to put on. English nonlined attendance when sick, and, when old and findle, they know they are well taken care of Nobody who has ever seen the negroes at tionge, Morro Velho, Cata Branca, or Cocose, could ever any they were unbappy. The village of Gongo calls to one's memory some of the delightful spots in the Nockar Valley. The misunotians on the northern and windern cides are covered with splendid verdice, and the parity white houses at the foot of them, half hidden by hamma trees, give a very striking effect. The Cace Grande (Chief Commissioner's house) is a fine building, and the hospitality of its industrian does great credit to them, and one is there remainded of the good old English cheer; besides keeping open house for all respectable alrangers, the Saineday evening parties, given by the Commissioner and bis lady, have been the means of making Giongo a noost agreeable spot. An excellent liber in abundance. The mole is open to the inespection of visitors, on application to the Commissioner, and is worthy of month notice; the washing-house, where the gold is cheaved, * and the store house, where a belonged to the late Baron of Cattas Altas, of whom it personner, and is worthy or much motive; the washing-house, where to did is cleaned, " and the store house, where all the uniting materials and ovinions are kept, are both fine buildings; besides these, the various work-ops, stamping-mills, pumping machinery, het, deserve much attentions his mine has been more extensively worked than any of the others; and, though it has produced so much, is fully capable of yielding as much more. although it loss produced so much, is fully capable of yielding as much toore. The country around George is beautifully discretified with hill and dale; about four miles distinut is the famous Lagen das Antas (Lake of Tapira), where many a pic-nic party has been large format, which will be able to efford an acquire supply of very fine timber for many years. The climate is beautify; the therementer ranger from 4.5° to 6.5° Pahermheit; and the oil is cory factile. A market is held in George every Saturday, which is well supplied with possibly, aggs, vogetables, and fruit; bestiter's most is supplied by the company, and first miner modern and principles and Villa de Principles of the company, and the miner of all the control of the miner of 2.5d, per lb.——it is, generally, not very good. There is a next Califolic * The province of goods washing is very sample.——the narries, or "stuff," as it is generally all the first province of a several of a five-villa, such the large several distincts of the temporal control of the residue of the several control of the several control of the several control of the several control of the province of goods washing in very sample.——the narries of a diverge machine, more several control of the transport of the tra

The provious of gond-weaking in very simple.—The nactio, or "stell," as it is go-correly radiod, after being brought to the nationar, to means of a develop standing, passes saids discipling easily, where it is remained to a fine powder, and weakind through passes, come budievelor below; the lights mad is continued off by the reader, but the fine-riae, anothering the policy, remained. The others are then required down, is backs per parent for the purpose, the anotherined is thereto taken out to small quantifiers, and vession in seconds borries, with a time water, by an interportal enteriory medical, the second in research away by degrees in this means, small the gold, which is the interior part, consider quite parts at the feathers. Similar particular for one as found considera-nity in it; but flows are smally reserved by a traditione. The gold is observed to be languaged.

eads westward, over a s, to the village of C is unite, which, like Gongo, is famous is quarts, and produces tion here is quarts, and produces a regular quant hoped, will soon be increased. The mining muchi-well as at Cata Branca, is first-rate; expense was mencement, and now she result of many years' lal ward to with tolerable certainty. Morro Velho is and is not so healthy as the other English establish mutil lateit, were all core, but come the and is not so healthy as the other English establishment until lately, were all open, but since the company have extions, shafts and levels have been sunk and driven. The timber near the mine, and, although not so much required, it is a heavy article of expenditure. The River das Velha tance of about two miles; it is tolerably well stocked with rainy season, which lasts from Octobec to March, and thu Morro Velho are often enabled to enjoy a havnry which is of the other establishments. The hospital garden is ear stocked with peas, beans, potatoes, turnips, and cauliflowe indigenous vegetables; it occupies a space of nearly three tended to by the negroes who are not fit for uning pur under the orange and banana trees are very tastefully behole does great credit to the person in charge. The hospitarranged, and conducted by an English surgeon, who has experience of the elimate, and by whom every possible on are paid to the sick.

are paid to the sick.

Cata Branca is eight leagues distant. The formation is simila at Morro Velho. After Gongo, this has been the most productive the province; and, as it has not yet been worked to any great exist is every reason to expect that it will soon repay the trouble and expout upon it. The machinery here, as before said, is of the best This company has another mine, at Conceiçao, on trial; is a yet it duced nothing, and it is doubtful whether it will be worked much From Cata Branca to Cocaes is about sixty miles, in a straight his by returning through Morro Velho and Gongo, it is nearly eight straight road passes through several small mines, worked by lie and an iron foundry will also attract the traveller's attention. Murron used by the companies is derived from this source, but it reand an iron foundry will also attract the traveller's attention. I iron used by the companies is derived from this source, but it be well worked up by English smiths before it can be rendered for machinery, it being of a very inferior quality. Cocaes we in 1833 by the Imperial Mocambas Mining Association, as worked since at a great loss to the shareholders. It is, like Gon tings formation, but, unfortunately, less been hitherto very un It is situated on a very high mountain, 4500 feet above the level and commands a very extensive view over the neighbouring hithing. It is situated on a very high mountain, 4500 feet above the let and commands a very extensive view over the neighbouring little valley on the northern side is situated the village of which the mine takes its name. Eight years ago, this villag trifting place, but since the English have been living so near, amony thousands yearly in it, it has become very opplient which formerly could barely lensit of a coarse cotton blind, as handsome glass windows and Venetian jalousies. Three or for scarcely find a sole for their goods—now, this number has be treefold. The man who would formerly bend and oringe for a is now seen sporting his Newmarket-cut cost and damly be which are the nost inconvenient things one can wear in a tree in former days a series of the contraction. is now seen sporting his Newmarket-cut cost and dandy her which are the most inconvenient things one can wear in a trop in former days a pewter or horn smoff-box was deemed sufficients bean thinks now of using anything less than after or got are squeezed into French hoots, but these save the expense. Cattle, such as they are, could formerly be purchased for 11. It—none can be bought now far less than 41. or 51. Hornes to 61.—the common price now is from 161. to 101. Everything the name proportion—in fact, Cocara has been notorious for an heing the dearest place in the nitnes. The village contains Brazilian inhabitants. The establishment consisted formerly tracilien inhabitants. being the dearest place in the mines. The Brazilion inhabitants. The cutablishment on lish, 100 Brazilions, and 300 negroes, but lat about twenty-five English, not so many Brazilio shout twenty-five English, not so many Brazilians, and sourcely. There are two branch establishments, one the Mosaulias, or C mear Sahara, and the other a farm, called Hotalo, about seven the north-rast. The letter is one of the Saest estates in the p were it only nearer the mines it would be a most valuable pro were it only nearer the mines it would be a most valuable pro fortility cannot be disputed, as will be seen by the fact of staty Indian corn yielding a crup of upwards of 2000, being 150 for of the roads from Rio de Jameiro to the Diamond district parts with village of Connect thereby increasing its traffic; another is the village of Cocaes, thereby increasing its traffic; and part of the Rotulo estate, but is of very little advantage our will it be, until some means of emergence, bette se brought forward, and which cannot be done until and this the Benzilians are very tardy in doing, formets which have never yet been tredden by his parts which have been opened, the finest rose, iron, parts which have been opened, the finest rose, from satis-trees are found; there are two salipetre mines on the estat touted thirty miles west of Cocaes. It is a small mine, as to striking expense; it was purchased by the company in 18 is well weatherd, and has a lake about five miles of, from whiching you the noine is supplied with water. This lake was far for lawing great quantities of game in its vicinity, but latter has remissed. The tapir, ofter, and coatless cary, were free aporting in the water, and at night time the angry ary of the tiger out were not at all uncommon, but civilization has advantaged out to the contract of the course of the same of the course of the c cut were not at all us eds their haunts, and i The houses on the mine do not present the pretty appearance of the other catchilaborous do ; they are untilly built of und, not meant to withstand the storace with which they are sense.

New year and Namerous Hastway.—We understan for the Act of Innerporation of this company has been east enables. This resolution, we believe, has been convisional committee, that such arrangements may be printed in secondarial may be assured without the depute of a prolonged content.

ORIGINAL CORRESPONDENCE

CREGINAL CORRESPONDENCE.

EAST INDIA TRON AND STEEL.

YO THE NUMBER of YOR MINIMO JOURNAL.

IN,—In the last Number of your Journal, appears a letter signed by Marchant." requesting information upon the subject of the iron over a med steel purposes by the Madras Indian Iron Company. The sub-is interestly one of considerable interest to so large a majority of readers, that it will afford me much pleasure to furnish you all the matter required. I would observe, however, that is the course of a two to three months, the Indian Iron Company expect to have committee required. I would observe, however, that is the course of a two to three months, the Indian Iron Company expect to have committee iron from their works at Porto Novo, on the coast of Coroled, as they have reason to believe that all the objections which at the large stage of the undertaking were advanced, and which krose, in Instances, from the defective mode of manufacture, howe been effectly removed, and that a uniform quality of superfor from for steel and from purposes, may now be depended upon from this source. The form have hitherto purposely ubstained from giving publicity to the instances attending the introduction of the Indian iron into the Engmarked, on account of the want of uniformity, and occasional rediction which were apparent in most of the iron at first manufactured, executed that until they had completely overcome these difficulties, said be premature to direct public attention to that which was, at best, other, the present mode of manufacture has, however, turned out so bettery, and the expression of sportoval among those who have used ron, an decided, that the director's have aquiesced in the request has been made to them upon several occasions by the accretacy of netitation of Civil Engineers (Mr. Charles Manby) to permit the set to be brought under the consideration of that hody, who will, fore, in the course of the present season, receive a fall and detailed and of the undertaking, with specimens of the iron in its acveral, a.e., he. where welcome to, and which may be expected to afford at once a guide rethers who may engage in analogous pursuits, and a beacon to point at the many difficulties incidental to, and invariably attendant upon, pre-levely untried experiments. The intimation, that "great are the dangers that spyleon," Asc., is, by no means, exclusively confined to " the man be meddles with cold from." T. MaxDowals Symmunated to " the man to meddles with cold from." T. MaxDowals Symmunated to C. (We me object to our correspondent for his note, and shall look forward the sense interest to the reading of the paper mentioned by him at the familiation of Civil Ragineses, which will find ready insertion in our columns.)

COPPER MINES IN JAMAICA TO THE EDITOR OF THE MINIPO JOURNA

Fig.,—I observed an article in one of your Journals of November last, special on Mount Verson Mine; being one of the party who originated to company, permit me to furnish you with some particulars connected ith the undertaking. I must first premise you, that I am not rolely acceled by a spirit of gain—out an ardent desire to benefit the country I all my own, propula me forward in my endeavenurs to develope some of its lides resources. My friend, Mr. John Drew (a native of Cornwall), though not a profused miner, is, nevertheless, perfectly conversant in a practical art of mining; we were not long acquiinted, are we agreed a september the island for mines. In the course of our exploration we discussed as each contiguous to Kingston, and offering all advantages for mining opelium, we proceeded in opening the same to the extent of our means. wered asveral localities of fish indications, but Mount Vernon being the several several localities of fish indications, but Mount Vernon being the several contiguous to Kingston, and offering all advantages for mining operations, we proceeded in opening the same to the extent of our means, and when we found our means exhausted, we then consulted our friends. The advised up in start a company, conditions the same to the people of the country exclusively. Specimens having been facult to the Geological baciety of London, through the kindness of our then excellent governor, its Charles Metaslife, the reports of the president, Mr. Murchiston, and the founded, Mr. John Taylor, were highly encouraging. The meant raised by the disposal of shares did not realize 3000fs, which, with apportation of miners from Cornwell, tools, and other proliminary expenses. As, left us but a scanty emphas for operation. Finding various extenses thrown against us, escapited by deepercented colonial prejudice, in a mealignation of the few moneyed men to assist in the appointment, by friend (Mr. Drow) and myself, resolved on foreing the company to have the remaining shares in the Knglish market, expecting that they said trackly have been taken; but, to our meridication and disappoint and (though our agent Mr. John White Cater, of Livergood, has used be hest efforts), not a single present could be found dispused to coter the possibilities, thereby leaving us to conjecture and only the court the possibilities, thereby leaving us to conjecture and only the court the prospects of all the tracking the second on the visible advantageous mining speculation, to real a temperature person by the first packet for Jamales, and let him visit must be exampled, Jamales, J

THE LEAD TRADE.

re van survive or the Mintel Journal.

A Load Miner and Morta which the writer remarks, that "Bir Biother Pool, in his Tartif,
staly indicated a blow on the adventureous miner, which loss decertainly inflicted a blow on the advanturous miner, which has depend his property, and almost his energies for adventure. "Now, Law part has property, and almost his energies for adventure." Now, Law part interested in the prosperty of the Estitial lead trade, and would, there, for a bidged to you, or some of your occesspondents, for a state-to-d the quantity of foreign lead and lead are imported and entered to a summary time since the new Tariff come into apparation—vic., in last. We shall then be enabled to assorting the effects of his Robert's "upon the calming interested of this country, by comparing this state—with the quantity as imported and outcome decing the corresponding at of 1841. I wish "A Local Minor and Morehant" would onlighted little name about the said "Lovanthan Loud Company "..." the vity has "..." outshould smaller, " be: amirai smalter.

as the Parliamentary returns are made, they will be inserted to meanwhile " A Loud Miner and Merchant" may be able surrespondent.]

ON THE VENTILATION OF MINES.

can view neutron or view intrans on the Arab.

In our An Chi Chail Mission is provincely right in placing his strains in the draught pit. The sames the six is exceeded in that pit the better, if these jets were those into the draumant pit, the six would be carried by the strain jets, and the other by the fluxulus at they bett would be alreagiling against each other; therefore, the pits would impair the regular draught. It is more to the irregular of the throught in coines that adjustices there is an analyzinana, than a large transfer of the throught in coines that adjustices there is an analyzinana, than a large transfer of the throught in coines and together; for, however, perfect the alreagy of the fermion is not together a fee, however, profest, the sixtens of the fermion is not together a fee, however, profest, the sixtens of the fermion is not together. three are many of year readers who here no other means of obtaining here are the readers of the street of the stre

THE MINING JOURNAL,

cause both divisions of the pit are of the same height)—then, having made choice of your upont pit, which, as I said before. Nature will instruct us, we have only to place our furnace in that pit, and help Nature. Now, if the furnace is placed in the wrong pit, it will be always seting against Nature, and, as I observed above, the moment the fire in the furnace is low, the natural draft overpowers it, and carries back the foul air into the workings. It is a difficult thing accountions to keep the air into forward workings of mines, and great caution is necessary, but when the upons pit is well chosen, and a proper furnace placed in it, as far as that draught can be needed to sweep the workings, it will clear any mine in the world.

Blackston, Feb. 22.

ON THE BETTER VENTILATION OF MINES-No. 11.

For the notice of the mining jotanal.

Size,—Having, for some time, been practically engaged in superintending and directing the operation of mines that have given off large quantities of inflammable gas, I have been induced to study the subject, as acientifically as my means and ability would allow, taking, at the same time, every assistance that could be found, that I might arrive at something like ble and safe mode. I, then, for the benefit of others, offer my

on this very important subject.

on this very important subject.

In every mine, I conceive, impure air is to be found. Some are more disposed to one gas, or kind of impurity, and some to another—that is, some are infested by corfourie ocid, or fixed air, and others by corfourieted Audropea. The one destroys life, by being too heavy, and, consequently, irrespirable, and the other generally by inflammation, or ignition. We say generally, for it is a fact, not extensively known, that carburetted by-Appropriate, and the other generally by inflammation, or ignition. We away generally, for it is a fact, not extensively known, that carburetted hydrogen will also preduce profound coma, as well as the other, for I have seen men fall as dead in the latter as I have seen them fall in the former; and, unless help had been instantly afforded, death would have been the result. The carburetted hydrogen, however, is the ment to be dreaded, because its ravages are the most extensive, and its attack the most audden an i menyected. The carbonic acid, generally, shows its appearance on the fiame of the candle perceptibly, by a decreased size of flame, &c., but the other shows no appearance, unless some art be used, and that in time too, or else an explosion is the consequence. To save, then, from the devastation of this carburetted hydrogen, an effective ventilation is the only effectual remedy to be applied. For this some scientific knowledge is useful, or else we allow the enemy to have the advantage of a hazardous game. For thus uscetting the fee, perhaps, the following may be useful to some of your readers:—Four things are to be attended to in an efficient ventilation—vis. ingress. egress, method of conduction, and the motice power. The ingress should be each as to afford every facility to the circumsmistent air descending the mine or pit. The egress should also be as much protected from every blast of wind that might cause a redux or impediment to the accending current. These are generally attended to by mining agents, as circumstances will allow them. The next point we have noticed in the conduction of air into and through every part of the mine, as as to leave no room for the collection of the gas in a stagnant state, nor to imped the progress of the current by reducing the aperturea through which we wish it to peas. This is accomplished by stoppings, doors, and brattiers, being suitably placed in the mine, and by causing every place to be kept open, and of such a size as will correspond to the required size found sportion of gas. The next thing before us is the number of place, rking at the same time, and the next the catent of the workings through which the air has to travel. Yet we may be at a loss for exact data or which to calbulate andly, as a greater quantity may dome off at one time or place than at another, as well as the state of the air thrown into the mine or pit, may itself be more imprognated with hydrogen than at another time. We then must have access to our own, or the experience of others, to enable us to arrive at the data needful. In this I shall give a useful rule for calculating generally the quantity, and in my next give the means to be employed as best uffording the needful supply for safety to the pit in all ordinary circumstances.

in all ordinary circumstances.

In calculating the quantity of air requisite, we must fix on the smallestsized aperture we have in the air-course, and, from that, calculate the velecity accelful to bring in the quantity to keep the mine safe and healthy
in ordinary circumstances. The quantity funed, by Mr. Buddle, sufficient
for that purpose, is 7200 solid feet per minute. We also should so en
the same, as we have never found it to be deficient, to mix or dilute the gas sent off from the mine, even when worked on a large and extended scale; and, as we approve of the inducing, rather than the propelling sys-tem, we give the following formulæ for calculation, in fixing on quantity, ve-

For the relectty, e- 12 g Am (t'-t), and For the quantity, q-e-12 g Am (t'-t), and

For the area,

For the area, $\alpha = \sqrt{\gamma}$ If or, then, we have r for velocity, q for quantity, a for area of passage. A for the difference of the depth of the two air passages in the shaft, we the rate at which the gases dilate for every degree of heat, r the common temperature of the atmosphere, r the increased temperature of the air by induction, and g the influence of gravity, which influences gases as well as noticed and fusion. Here, then, we have several quantities, that may easily be ascertained. To find the quantities wanted:—Ist, A can be found by measurement; Id, as is already established by experiment, and is found to be g_{2g} , or '00.375, for every degree of dilation; 'id, the difference between r and r may be found by a good baroneter; and, the difference between that he may be found by a good baroneter; and, the the quantity, g, is always taken 32 and a fraction, or, for general parpones, at 32. By way of illustration, then, we shall suppose a case. Let ten feet be the difference of temperature between the descending and ascending currents be 10°—then, by the formula, we have for the relacity, $\alpha = 0.10 - \alpha = 0.00$, then, by the formula, we have for the relacity, $\alpha = 0.10 - \alpha = 0.00$, in whale numbers, per second, and that multiplied by 60 - 400 solid feet per minute. Let next the area of air passage be equal to stature feet square—then we have by part, $\gamma = 16 - 190 - 7600$ from persons and proteins, $\delta \alpha = 0.00$, may be dramed solid. The velocity and area may vary, and then each will influence the other. In my next i shall likely take up the subject of rescention, or the best methods of inducting the drampth in sits or edition.

Chem discovers the final my text on THE STEAM-ENGINE.

MSL SIMS'S IMPROVEMENT ON THE STEAM-ENGINE

Sin, —Having seen, in the Mining Journal of the 28th January (which just been sent use by a friend; a letter signal J. Sines, in which he descent to prove that the most communical made of expanding steam and of his combined cylinder engines. I beg to send you the fin-ply. Mr. Sina might addity have been left unanswered, but, as many of your readers who have no other means of obtaining la-

combined achieve. With his 50-inch and 96-inch combined, his engines are, in fact, only equal to a 70-inch single one. What a monstrous gain of power!! What a complicated scheme to make a 70-inch cylinder engine! In short, Sir, the "combined scheme" is only a clumsy and complicated contrivance for increasing the size of an engine, and whatever advantages may be supposed to attach to them, can be realised in single cylinder engines; and, by increasing the size of the latter, steam of a comparatively low temperature can be used without the least injury to the materials. St. Day, East. 13. materials. - St. Day, Feb. 13.

SMOKE-CONSUMING PATENTS-PUBLIC PROPERTY.

SMOKE-CONSUMING PATENTS—PUBLIC PROPERTY.

TO THE EDITOR OF THE MINING JOURNAL.

Sin,—Actimonious controversy cannot but be painful to gentlemen—
assuredly the amiable individuals who have been conducting the animated
discussion concerning the amoke-burning invention, in your columns, of
late, must have endured much laceration of mind in the remarks they have
felt it necessary to offer on each other's accomplishment and veracity. To
smooth the troubled waters would be, it is presumed, both to writers and
rusders, an acceptable service—certainly, the attempt is made in a peacelaring spirit. Perhaps the following extract, from the Journal of Science,
vol. six, for 1825, will enable the contlemen in question, as well as the loring spirit. Perhaps the following extract, from the Journal of Science, vol. xix., for 1825, will enable the gentlemen in question, as well as the public, to adjusticate on their respective claims to "patent rights?" and produce, in each, concessions which may tend to mitigate the other's sense of injury. It may, at least, teach them the policy of carrying on their controversy more privately, by showing them that, so far as the question at issue is of any moment, other claimants to the invention may arise, and that the profits of it belong to neither of the combatants, but to the public

that the prouce of it belong to betther of the commands, but to the purper it large:—
"Mayron or Consoning to betther of the consists in the introduction of air lab the furnace beyond the fire, but he uses peculiar means of heating this air hefore it is introduced, and this readers the combustion of smoke more ready and parfect. He says—To bear the air before its admission into the furnace; this I do by casting the grate-bars heating, from one to read, so that they form a series of parabel tabes, which open into two became—one pieced in front and the other behind the grate. In the front box, directly underneath the fire door, I make a register, to open and shut, to any extent, a piccarare. The other end I connect with the betchwork, directly under the fire-bridge, which fre-bridge I make dualite, with a small interval between—my, one inch—the interval to go neroes the furnace, from side to side, and rather incline torward, or towards the fire-door, so as to meet, and reverberabe the smean on the ignited flued in the grate, which cases it to inflame and become a sheet of bright fire under the buttom of the boiler. Consequently, when the register is open, sic passes along the bars of the grate, becomes heated in its passage, and is then thrown on the bot smoke, cassing its inflammation and combostice."

A peculiarity concerning the mode of supplying the grate with fuel is next described, and the account closes with the following paragraph:—

"The certificates of possons who have withnessed the effect of this application."

"The certificates of persons who have witnessed the effect of this application and of the entire uncomes; those who, previous to the exection of the engine, as wheneved a noissmere, have been agreeably disappointed—monote seign selson en. On the application of fresh luck, the smoke assumed the appearance of the gree vaccur, which, in a few execute, because almost invisible."—"As us. ch, in a few recommendate appear to mention in, that the grain-bare appear to mention in, that the grain-bare appear to mention in the first line of our co

Liveryool, Feb. 18.

Liverpool, Fig. 18.

A Lovan or Good Manners,

[We readily concur in the expression conveyed in the first line of our correspondent's letter, who, quietly enough, brings us to the male question—

Has Mr. C. W. Williams or Mr. J. Williams a right-to a patent? That

the latter has more we believe is admitted, except any equitable interest he

may present in that taken out by Mr. J. A. Kurts, and, as this latter gentleman

requestates the pian adopted by Mr. J. Williams, it is to be presumed that no

patent exists for the process employed by him; or, if so, that it is an infringe
ment on that of Mr. C. W. Williams. With regard to the extracts made, it

does not appear to us that they in any way affect the patent of Mr. C. W. W.

Lakes the side is to the application of heated air, while that of Mr. C. W. W.

Lakes the side is set of a state as his ern obtain it. The cratting of hollow

grate have is, we believe, a part of Kucta's patent, although shandowed by

Mr. J. Williams to the furnaces to which he has supplied the apparatus,

which is by an adminision of headed air, regulated by a vaive, as shown in the

diagrams which have appeared in our columns. We believe neither party

claim the double bridge, and, so far, our correspondent is right, as bring do
thing novel. We must leave it to the "combalants"—the two W. *=-fur
ther to discuss or elacidate the question, which we hope they will transfer to

our advertising columns.)

THE SMOKE QUESTION.

THE SMOKE QUESTION.

TO THE EDITION OF THE MINING JOURNAL.

Sin,—The conche question having occupied so large a space in your co-Sin,—The emoke question having occupied so large a space in your co-humon lately, and of an uninteresting nature, I have no doubt had many of your reachers are quite tired of it—may I, however, heg the favour of your incerting the following remarks, being a rejoinder to Mr. Williams's last two letters, and on behalf of the public, who are in passession of an effective and economical plan for the prevention of smoke, and which does not infringe upon any patential one. The indevesting matter propounded from time to time in your valuable Journal, I take to be intended for the public good, and anything which may contribute thereto, fit uniper for advencery of insertion therein; on the contrary, mything which might have a tendesary of depriving the public of the free enjoyment of due privilegus—as, for instance, featering tilegitiments cioisms of meanspolicing patenties, I down as scalaried measured for the columns of a public Journal like your's. I beg it to be similarly tendermont, I have not the freen prevental ferting against any

adopting improper plans, when contemplating after anglind, from the concluding part of Mr. Williams's it Mr., he was about to make a virtue of necessity, a open to the public his valuable nature.

Moor, Feb. 28. W. Williams will, doubtiess, reply to our corresponds is men resolient that our columns are confined for space?

COMBUSTION OF SMOKE.

COMBUSTION OF SMOKE.

TO THE EDITOR OF THE MINING JOURNAL.

SIR,—Mr. Williams, of Liverpool, ridicules, and entirely repudiates, the combustion of smoke. Unquestionably, amoke may be entirely prevented, by perfect combustion in the first instance; but smoke, after being disengaged from imperfect combustion, may as certainly be consumed. Smoke is carbonaceous matter, and this being susceptible of ignition and combustion, may it in necessarily follows, be entirely consumed by its transit through ignited coke, &c.—a process successfully carried into effect. One would really think that Mr. Williams had either never seen or heard of a chimney being on fire! A simple illustration may be referred to. The fame of alcohol yields no smoke, the carbon being entirely consumed; camphor being inflamed yields smoke, because the combustion is imperfect, but if the inflamed camphor be now introduced into the centre of the other fame, no smoke will be evolved; the alcoholic flame will, however, have an increased illuminating power, from the added carbon. In 1818, I introduced into the come of alcoholic flame a tube containing water; the water boiled, and the flame was thereby clongated, and increased in intensity. I then announced that the time would come when water would be used as fuel. I subsequently, at Bewdley, had the principle applied to a boiler, and Mr. I vision, I believe, has obtained a patent for the plans. Dr. Fyfe, of Edinburgh, has shown that water is decomposed if steam be passed through charcoal—à fartiori, we may well believe, that its decomposition is effected in passing through flame, which is ignited carbon, &c. Lichfield, Frb. 15.

J. MURRAY.

[We are glad to field this whicet treated upon in a scientific manner, and

Lichfield, Feb. 15.

[We are glad to find this subject treated upon in a scientific manner, and doubt not but that Mr. C. W. Williams will reply to our correspondent. It is to points such as form subject of the present letter, that we would wish our columns to be devoted, and not to personal controversy.]

ARTESIAN WELLS.

ARTESIAN WELLS.

TO THE EDITOR OF THE MINIMO JOURNAL.

Sin,—The unsuccessful attempts to procure water by the process of boring, at Southampton, Brighton, and elsewhere, although deeply to be regretted, are good practical lessons on the folly of commencing undertakings of this expensive nature without good and substantial reasons for believing that waters are therein locally disposed. It has been laid down as a fixed principle, that water may always be found by boring for it, but this, as has been practically proved, is erroneous; for, although diffusely distributed within the superficial crust of the earth, and even beneath the ocean bed, yet, at the same time, they are always locally disposed. All distributed within the superficial crust of the earth, and even beneath the cocan hed, yet, at the same time, they are always locally disposed. All waters within the bowels of the earth are derived (rom the surface of the earth, and, consequently, their abundance must depend on the quantities received, and the capacity of the beds to retain them. The green sands of Montmatre receive the waters, and transmit them to the lower depths at Grenelle, and, in like manner, particular strata, vertically disposed, sometimes retain them from the surface to the lowest portions of these beds. Chalk formations readily receive and transmit the waters, the more consolidated portions forming, for a time, natural tanks, or recervoirs, but if the underlying or contiguous beds are of a porous nature, it is almost certain that the chalk will be drained, and the waters be lodged in the porous beds. In the London clay there are extensive natural reservoirs of ous beds. In the London clay there are extensive natural reservoirs of aters received directly from the surface, or following the disposition of the beds from the upper to the lower lands; but, at the same time, I hold the beds from the upper to the lower lands; but, at the same time, I hold it to be absurd to suppose that the inhabitants of this vast metropolis could be supplied with all they require from this source, and the truth of this would soon be made manifest, when a number of large wells were made in close neighbourhood to each other, the one draining the other dry. If the dip of the strata is downcast from the ocean bed at Brighton, or from the surface soil at Southampton, it is not likely that the waters will be procured other than at the lowest depth, or in adjaining sizata of a more porous nature, yet in some of the beds, horizoutally disposed, a pertion of the intruding waters may be retained, in like manner as they are in the London basin, as it is termed. That the subterrancan waters are derived from the surface of the earth has lately been proved in various parts of France, within the circle of the Paris basin, where absorbent Artesian wells have been successfully resorted to as a means of drainings, and the Prance, within the circle of the Paris basin, where absorbent Artesian wells have been successfully resorted to as a means of drainage, and the tainted waters got rid of lave invariably affected the neighbouring wells. In many parts of the seath the inhabitants are wholly dependent on this mode of supply for the whole or greater portion of the year, and in years of drought this resource fails; thus, in Upper India, in 1831-2, the drought this resource fails; thus, in Upper India, in 1831-2, the drought this resources, and even in this country the springs have been known to fail. When Artesian wells are to be dug, it is highly necessary that the nature and dip of, the strata be concidered, send the successary that the nature and dip of, the strata be considered, send the successful issue if buring at Grenelle should not lead us to suppose that water can be found at any time beneath our fact; it is true that, at very great depths, the chances are, in this country, favourable to a successful issue, but the excesse of the undertaking will generally counterbalence any advantage to be gained from it.

REMEDIES FOR DISTRESS IN MINING AND MANUACCEST.

Brighton, Feb. 21.

REMEDIES FOR DISTRESS IN MINING AND MANUFACTURING DISTRICTS.

TO THE ROTOR OF THE MINING JOURNAL.

Six.—I have just received your Journal of the 10th of December last, in which you notice a preposition of a Mr. Nicholas Cawthorne, for relieving the present alaxming distress in England, by the employment of the superabundant labour in cultivating the waste land of that kingdom; and laring security received some papers on the same subject by your politon-threpic and well-meaning correspondent, Mr. 6. B. Rogers, of Nantygio, I am induced to trushle you with a few observations on the subject, trusting ## Bright and the affection of the afflored, the patriot, and attract, at no distant day, the attention of the afflored, the patriot, and the statement. Though, in Mr. Ragers's papers, he does not explicitly state the details of his plan, it is revident his object is to form country associations of the mesuployed inhundrances, under proper rules and regulations, and thus bring the preduce of their benefit work into the merchet, taking olive merchandize in each ange. This alone, if carried out, would cause a vast increase in the consumption their hundiwork into the market, taking allow merchandses in exchange. This alone, if carried out, would cause a vast increase in the consumption of all articles; but if a modification of the two place were singeted, simultaneously, it does strike me that a familiar, economical, and administry a mationally profitchle, system, would be found in the result. Encouncetion with the cubilestion of the waits lood, villages must be created, and the labelstants, having become producers of wealth, would take, in exchange, the products of your thickly populated manufacturing districts, and under proper rules, as recommended by Mr. Regues, in his plan of founding the

ON THE ORIGIN OF MINERAL VEINS.

ON THE ORIGIN OF MINERAL VEINS.

10 THE EDITOR OF THE MINING JOURNAL.

SIR,—Tour Oxferd correspondent, "J. S. D.," seems to see to be desirous of eliciting information from practical miners, much more than he is desirous of applying them with scientific knowledge. Now, Mr. Editor, as a scientific gendleman yourped, I be leave to ask you a question, which is as follows:—Can any speculation, or opinion, possibly be sciratific, which is founded upon any subject beyond the powers of man to demonstrate? If so (and I think it is so), the very many speculations and opinions, conflicting and various as they are, on the formation of coal, ironatione, and other metals, are not, the whole of them unscientifie? In chemistry, in surgery, in mechanics, in navigation, in all kinds of civil engineering, and in practical mining, scientific knowledge may be sequired and applied; because science can, and is, demonstrated by practice.

If I am right in this question—and you shall, if you please, decide it—I shall at once turn the tables upon my Oxford opponent, and place myself in the scientific chair. He mays, my knowledge is bounded by my native hills—I suppose he means the South Werkin, in Stropphire. But it matters not where I learned my trade; if I could bring myself to believe that I had learned it well (that I am sometimes very doubtful of) I should have no hesitation in at once calling wyself what "J. S. D." calls himself—a man of science. He laments that I am debarred the use and perusal of those scientific works from which alone I should be enabled to abstract a knowledge of the changes continually going on, both upon and beneath the face of the cart. Upon the face of the carth, I admit, great changes have, and are, taking place; but beneath the earth, I admit, great changes have, and are, taking place; but beneath the earth, I admit, great changes have, and are, taking place; but beneath the earth, I admit, great changes have, and are, it is not be alone to the stratist of the carth, I admit, when he was a seen it is pr

ON MINERAL DEPOSITS.

placed by the Creator's hands.

Biscarca, Fig. 22.

ON MINERAL DEPOSITS.

TO THE EDITION OF THE MINING JOURNAL.

Siz, —I her the favour of asking (through your Journal) your Oxford correspondent, "J. S. D.," whether works on science belong exclusive by to the echoolmen? or whether they are not the common property of the learned and unlearned? For whom are they published but the unlearned—at least in those respective sciences on which they treat—that they may become wise also. Is there not a common right in science generally? and shall not the practical man—if his means, &c., will allow him the opportunity of peeping into the chambers of learning—be allowed to set his fact on the practical man—if his means, &c., will allow him the opportunity of peeping into the chambers of learning—be allowed to set his fact on the practical of the sacred territory? Why not? The schoolmen ought to say, as did the immortal Newton, when he saw the desponding mind of his friends, "Be not discouraged at my removal, for I am only as a child who has hit upon a more precious pebble than his follows; yet are there depths beyond, that have not been approached."

Now, though the practical man may not be bisued with the means of discovery, yet he may occasionally check the andacity of some wild spoemiations, by seeing manifestations of nature in her secret and hidden parts. To what has geology, as a science, been indebted, if not to practical observation? Now, Mr. "J. S. D." may have seen all he so rauntingly boasts of; but we scarcely can suppose a man of such extensive research would ride rough-shod over all practical meo. Theories may be abundant, and as wild as abundant, but they must be confirmed by practice, or else they are worth nothing. He must remember that he is not the only one who is convinced that mighty changes have taken place, and are now taking place, in the garth; and these, too, by five, and by water, and by earthquake, &co., &c. But what we contend for is, these are but appears in the hand of the Alli-wise disposer of old or the rein! or, now they formed at one time!

TO THE ENTIRE OF THE MINING JOURNAL. plating, gilling, &c., and in association with its evolved is impressible to say where the about of internst will and, proper cales, as recommended by Mr. Regres, in his plan of forming the labouring population into county accordations, the distribution of the first of these new sacricities would be properly expained, the efficiency and its importance, as yielding, by a single of the marks and interest of these new sacricities would be properly expained, the efficiency of this hashbasts efficient of the first of the sacricities would be properly expained, the efficiency of the marks and second certification, and the shole of society editored from the disgrating examples of that powerly, it means and proposed to the minister of a warring the shole of society editored from the disgrating examples of that powerly, it is improved from the distribution whereby we may shirted the minister of a society editored from the disgrating examples of the motion, and the shole of society editored from the disgration which the power is not a society editored from the disgrating examples of the motion, and the power from them this power from the single from the disgration which the power is not that it suggest the first in the society editored from the disgration which the power is not that it suggest the first in the society editored from the disgration which is power to carry out among the plan, and the policies individuals, with the power in carry out among and the society editored from the society from the society editored from the society editored from the society editored from the society from the society editored from the society editored from the societ

but in the case of that of the castle of the Dwine, it is and need electricity, or electricity by industice. I am resources of electricity, in relation to meteorology, ficiently explored or examined, and applied. I have considerations and reflections, by observing that a most to be submitted to Parliament. I will confeas, hower thority of a name, which the socidents of circums above his fellows, the humble claims of truth moving have little chance, and that it will share the same for motions which have preceded it. The coterio of familiaries. I might refer, in proof, to the circumstances a ingham's motion, some years ago, which had for its o pose, and which terminated in more verbiage and wast ture communication, I may trouble you with some r best, essentially connected, as it is, with the present is Lichfield, Feb. 16.

NEW PATENTS FOR PEBRUARY.

(From the Machemics Wagescan of this dr., coal-proporter, Pontardulein, South Wales, andly; for improvements applicable to the burning ther. for the purpose of obtaining best. de and R. Kemp, furtiers, fouthwark; for cer

VERSET PRICES OF STOCKS AND SHARES.

STOCK EXCHANGE, A. II., daterday marning, Twoler o'clock, Dutata, 2g per Gead., 50; 2 Bitto, 1 per Gead., 1003 [Portuguena, 5 per Ceut., 1003 a Bitto, 5 per Ceut., 114 a Resonina, 5 per Ceut., 114 a Spanish, Actires, 5 per Ceut., 20; 2 Bitto, 5 per Ceut., 24 a Catanthian, 6 per Ceut., 24; 2 Mexican, 5 per Ceut., 24; 2 Mexican, 5 per Ceut., 26; 2 Peru, 18 154 Bloomy, 664
Bloomy

LAYERT PRICES OF IRISH STOCKS.—S per Cent. Councis, 364, to 944. https://doi.org/10.100/10.10

HEWCASTIA. Thronous. The price of Great North of England Rollway shares and the good in this market, and Newcastic and Carlide Rallway shares are makeness good in this market, and Newcastic and Carlide Rallway shares alreaded to the price of present. Newcastic and North shields Rallway shares are way dall. In other stacks there is no oliteration worthy of note. We subsuit the throwing as one latest quotations:—North of England Joint Stock Ranh. 4t.; furthermortand and Darliam Blottet. 5t. North of England Joint Stock Ranh. 4t.; furthermortand and Darliam Control, 25t.; Nowcastle, Shields, and Hunderland Rains, 5t.; Darlington District, 5tt., Carliste City and Battett, 10t., Cartiste of Comberland, 5t., Darlington District, 5tt., Carliste City and Battett, 10t., Cartiste of Comberland, 5tt., Revenue and Darliam County, 5tt., Newcastic, 5tt., Cartiste of Comberland, 5tt., Cartiste of States of S

SUNDRILAND, Townson with anterioral foliate Stock Bank, \$L_i\$ North of Eng.

ad, 44, 50, 50; Norceptic, Shiritis, and Sunsarisand Union, 55, 50; Northember
and, 45, 50; Northem Bistrier, 85, 50; Northember
and Burham Bistrier, 85, 50; Northember
and Burham Bistrier, 85, 50; Northember
and Burham Reliver, 165; Northember
property and North Shiride, 505; Starlingund Brock and Ralivery, 1985; Great

forth of Engined, 505; 50; West Bhipping Company, 55, 50; Borrough, 55, 50;

Alabelmed and Tyne, Fig.—Sunderland Subscription (see Light Co., 165; Sun
crimed Point Stock Freeming Association, 54; Sunderland Exchange Buildings, 45;

Sundayerammonth Water worth, 46; Sundayerand Exchange, 55;

Sundayerammonth Books, 556; Durham County Cont Company, 45; Monkwear
month the Light Company, 146; Northern Cont Mining Company, 14; Monkwear
month the Light Company, 146; Northern Cont Mining Company, 14.

BRISTOL, Farnav.—We have had a fair amount of business this work, at advanish priorit, and we look for a further improvement in Great Westerios, as they
are below their value, partheniarly the half-shares, which, at 50 pm., will pay a per
paye.—Group Wassen Railway, 94. to 694.; Sittin, hairse, 60. to 605.; ditte, 61 pint,
1/24, for 1/24.; Sixtend and Kouter, 566 to 525.; Bristot and Grouneray, 1/2. to 166.
Decempan and Chouveder, 46. to 46.; Sirmingham and Debry, 74. to 46.;
Carlinsham Unsun, 24.6 to 251.; Tall Vain, 464.; London and Brighton, 204. to
264.; Backers Chuarlies, 96. to 161.—Existed Cas Company, 36f. to 361.; Clifton, 24f.

186.

think Pier and Life, 1944, a Standard Life, 44.— Satisferryk Gras, 166. Scillerburgh and Limb Class, 156.— Scillerburgh Class Standard Cityde Cannal, 1666.

GLASGOW, Turusmay — Stalleruthury Railway, 1964. Discusion and Arberoath, 1744. Stallerburgh and Giragore, 474. Garchiele and Giragore, 284. Gilangere and Greeness. 1847. Glasgow, Palatoy, Elimeateness, and Are, 354. Monthined and Krekin-Glass, 1644. Standard, 1644. Sovjat, 1624. British Linear Company, 1964. Colonian, 464. Standard, 464. Sovjat, 1624. British Linear Company, 1964. Colonians Pier and Life, 1964. Colonians Pier and Life and Colonians. Pier and Life and Americans Pier and Life, 1964. Colonians Pier and Life and Colonians. Pier and Life and descriptions of again attendment, and a genet dead of teaconome has been decided in the stocks of the older production of the stocks. All improvement pieces. Sond Standard Pier and Life and Colonians. Pier and Colonians of the Standard to the Colonians of the Standard Pier and Colonians and manufally the associate that standard to the Indian Standard Colonians. Pier and Colonians and Colonians and Colonians Colonians and Colonians Colonians Colonians. Pier and Colonians and Colonians. Pier and Estandard Colonians and Colonians. Pier and Colonians. Pier and Colonians and Colonians. Pier and Colonians and Colonians. Pier and Estandard Colonians. Pier and Colon

COAL MARKET, LONDON

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Average standard, 1971. Sa.—Average products, 8].—Average prict, 61. Sa.—Average prict, 61. Sa.—Average prict, 61. Sa.—Guantity of fine copper, 292 towns cwt.—Amount oncomy, 15,8771. 14s. 6d.—Average standard of last sale, 1971. 19s.—Average products, 82.—Average COMPANIES BY BROW THE ORES WERE PURCHASED.

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Frommas and Co	. 410 2318 15 3
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Fown Copper Company	
time, Willyama, Naville, Druce, and Co.	
Williams, Foster, and Co	

Copper over for sale on Thursday next, at Parapharaon's Hotel, Truro.—Mises and Paracia.—United Mises 12-4, South Caradon 4-27, Hallesbeagie 40; Powey Cocole 313, Treleigh Cossols 198, North Downs 198; Presavan 122, Tregolinan Connois 614, Wh. Messer 50; Hallesbeagie 40; Powey Cocole 313, Treleigh Cossols 198, North Bowns 198; Presavan 122, Tregolinan Connois 61; Wh. Messer 50; Kingharaotta—Cococidance 50; Killeswerts 5.—Total side tones.
Copper over for sale on Thursday week, at Sorpell's Hotel, Pool.—Mises and Paracia.—Cococidance Mises, 203, North Roshers, 343, South Wheal Basset, 402, United Hills, 48; Dolocath 369; South Roshers, 430; Susti Wheal Hasset, 402, United Hills, 48; Dolocath 369; South Roshers, 430; Paracia Prevavas, 300; East Wheal Cocky, 29; Fowey Coussols, 29; Par Cossonia, 234; Para Pool, 142; Tretoil, 103; Wheal Harriet, 26; Creeg Braws, 60; Tregolian, 51; Travaraon, 22; Wheal Mary, 11.—Total, 4008 bisses.

SALE OF COPPER ORES AT SWAMSHA.

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hill	560.	#11mat			Ballymuringh	33	£116	.7	
obra	ABZ	49×2	1.0		Ballygahan		2.5	16	
who	BAG .	75.40	A	Ø 1	Scoutly Mortton		9.0	. 9	
haneral	108.	1718			Mexican	2			
homiz	87	43	14	0					
CYMPA	-	BY WHAT			ORFE WERE PU	BCHARRE			

COMPANIES BY WHOM THE ORES	WEAR	PUM	HARR	м.	
	Tues.		Am	HOW	nt.
English Copper Company	396		#27 va		
Freeman and Co	164		2007		19
Sims, Willyams, Naville, Druce, and Co	966 .		2616	2	46
Vivien and floor	390		5015		
	824		7 1/00		
	-		-		-

Copper over for sale March 1.—Santingo Pt. 47th 70, 48th 60, 48th 61, 48th 61, 48th 62, 48th 62, 48th 63, 48th

WORE PERFORMED BY CORNESS ENGINES number of puraphage engines reported for the meanth of Jan., is 43—the quan-ricula consumed being relys tree. Billing, in the aggregate, 26, 260, 260 force of 6 febbooms high—the average duty of the whole is, therefore, 26, 260, 260 for

		Longth	Load			Lie. lifted	
Ad towers.	King town.	to cytica-	(per	per	of road		
		1000	inch.	min.	to bue.	bus of emal	p. min.
						21,000,000	
	Santern, sa.in. r	10.0	18.8		20.00		A29' 45
	Prosper so in. r	10.0	10'5	0.4	1000	68,854,560	. A
Demberly Balle	Minn's se in		11.13	0.2	1842	91,149,900	5 BAFT
Dirtin	Roberts' so in. a	10.0	11.98		1414	67,196,386	
ireat Work	Land's, St. in. s	**	14.8	6.49	1746	ME, I LAURTE	1887
Va. Voc.	BOXTANG'S BO LO A.		16 .		****	58,005,017	988 1
Diffe	Freinway #8 in c	18.6	18.88	6.86	3466	78,654,618	-
Corth Bookser	New 70-to 4	16.0	14:45	W. E.	1964	48,818,800	245.5
Wh. Cay	79.00. 0	10.0	13'5	7.0	\$1.43	60,4 m.7m	412.0
arn Bres	Bloom's tob-ins, comm- binsed published	} **	14 88	1.47	-	85,818,898	-
last Poul	88.54. 6	W/3	2.44	***	948	84,479,351	1001
Pallins Miner	Paytor's at in a	11.0	18.0	0 10	1861	87,498,667)
Dutte	Chicag's Se in a		100	WA.	Aud.	\$1,798,791	Lames
Ditte		100	10.0	2:28	5704	80,790,504	1 5000
Dilite	thoughting's \$5. in a	100	10 14	0.48	31.79	68.105,79E	3
Called Millio	Williams Co. in a	10.0	8'97		1000	74,515,000	ade 5
without the City	Vignes's de la s		147	4.4	91.67	47,400.71a	-
best Wit. Brown	Michael's Pain a	100	0.0	815	700	61.644.000	100
towns Com.	Acception in 18th Jan 1	107/00	1000		1979	41,654,781	688.0
	Name of Street of St		Sec. Sec.		1414	At 197	959/3

LATEST CUBARNY PRICES OF RETALL

							4	4.4
Brane	an Pers	ign, bon .	0.0	0. to	0.00	Date	10	Cores -Oldper lb. c c si
-		milicaey .						
Bass	English :							. For cake
die see		1 14 17 11 1	. 246	er ith.	10			
Carne -	- Brigillah I	bear, dec.	- 9.	Seem.				Tim-Buglink, blocks, &c. cwt. 1 & 1
160	Naci roots							bart 2 2 2 4 4 5
100	Mincepet					18		. Furniga, Banca 4 4 5 5 5 5
100	Alkoration					100	8	Moratio 8 * * 2 1 1
-	Carpy la				4	19		Pururian # # # # 10 1
-	Phys. Rev.	i. Wains		20,00	- 6	1.2	6	The pinelon, No. IC. p. box A. S. A. S.
-	Min	L. Christe		6. 8		1	16.	No.1X 1 11 1 1 14 4
-	Fre . Sw	method	1.3	0.0	0.1	A	-01	, wasters in p. here less
-		FUND			100	gu.		LAAR-Blood milled
100	-	P81			18	(9)	*	Shell, patient
-		Stewarted	٠.		2h	5,8	10.	a between consumer to 75 . 5 .
-	16	\$100mmg	pail.			-		. White
	-Femilia	tong	- 10	Street	26		(6)	Pro-Laxa-daglish P & - L' 10 4
-		Fraguet.				× -0		Spanish 5 6 5 L7 2 5
B		A - British		100		- 4	No.	American 2 4 4 17 4 4

EXPORTATION OF THE PARCIOCS METALS.—The following are the orders records of the supports of point and others from the part of London for the week coding Thompson and Southernian Colors have to Support the Southernian Colors have to Support the Support to Support t

The countries for decimal resource, to a count innominate conditions, and adopted envery extensive to hower of removed by case. The most importantly connected of the worst is, that decimal page from the 1 to the Circle, has follow to the large of pit per time, and is not people; each other than the large page of the countries of the connected of the countries o

PRICES OF MINING SHARE

Two very encouraging reports from our Foreign Mines will be found elso one from the Alten, and the other from the St. John del Rey. The sharehs the former, having long despaired of ever seeing any return for the one pended, may now reasonably hope for better times, as the report of a care mination of the lodes on the mine is a hartinger to the cheering intelige the property is valuable, and likely to prove highly productive. Some of the from our Cornish mines are also untis factory.

BRITISH MINES.	BRITISH MINES- continued.
Shares. Company. Paid. Price	Shares. Company. Paid. Price
500 Anglesey 5	120 Treviskey and Barrier 200
4,000 Bedford iA. Ai	36 Tresaven 1100
100 Botallack	120 Trethelian 220
100 Botallack	4,000 United Hills 5 4
8,000 Bisenavon 50	6,000 Wicklow Copper 5 .1:4
120 Brewer 120	3,845 West Wheat Jewel 10 In
79 Budnick 29	120 West Trethelian 75 10
1,000 Cars Bres 15 150	50 Wheal Vor
5,600 Con.Tretoil MiningAss. 4 4	1,000 West Carbory 4 2
2,000 Cornubian Lead Co 2 24	PORKIGN MINES.
\$12 Cook's Kitchen50	PORMUN MINES.
112 Charlestown	5,000 Aiten Mining Company 154. 2
12s Crogg Braws 40	10,000 Augio Mexican Co 100 12
128 Coaleen 15 75	3,374 Do. Subscription 25 22 4
10,000 BurhamCountyCoalCo. 87 9	2,000 Holanos 150 42
129 East Pool 850	Ditto Scrip 15 7
100 Great Consols 97 600	10,000 Brazilian imperial 21 7
10,000 Hibernian 124 14	10,000 Bolivar 20 1
1,000 Holmbush 14 42	10,000 Ditto Scrip 10 . 2
2,600 fale of Sark (Guernsey) 11 8	10,000 CataBranca—Brazilian \ 44
80 Levant	Company
18,000 Mining Co. of Ireland 7 1bj	12,000 Coure CopperCompany 49 24 25
126 Mostyn Mines 100	8,540 Colombias Co. regts 25 2
7s North Roskout 300	10,000 Copingo Mining Co 131 . 34
A,000 Poliserou Crassols 10	20,000 General Mining Asso. 20 . 4
(0,000 Shymney 1/00 50	5,351 Mexican Company 16g 1
126 South Caradon	12,000 Mocambas and Corner 26 44
800 South Towan 10 4	14.5s2 (Bealdel Monte, regis. 134 1)
64 SouthWheal Basset 500	t Do. unregia circu
57 Speam Moor 70 100	Ditto Loan Notes 150
las Tregolian = 2	7,000 Royal Santias o 10 22
4,600 Treieigh Consols 5 14	11,600 Rt. John d'el Rey 15 32
6,000 Tumar Consols 5 41	40,000 United Mexican 40 14 4
6,000 Tineroft 7 . 11	Black Serip addl capital 5 ic
126 Trewates 100	Rec' New Scrip 14 3

BAILWAY SHARE LIST AND TRAFFIC RETURNS

The railwart bitanis bust are place during the past week, present no particular features beyond regular progression to established undertakings. By an article in another column, it will be seen that two of the projected Frunch inces to the extent of nearly less miss, are in an advanced state, and are expected to be opened in May next; it will be gratifying to English capitalists' engaged in these undertakings, to find that the French Gevernment have entered upon this subject with the spirit it deserves, and which wit, doubtless never ample reward, in giving a vast estimatus to employment, and to trade generally.

Line.		Now Open.			Val.of share	Returns.
Arbroath and Forfar Railway	13	15	£ 114.766	25	77	£138 19 1
Bigmingham & Derby June.	484	481	1,113,402	100	405	509 14 B
Birmingham and Gloucester	3.5	85	1,460,651	100	43	1400 4 6
Brandling Junction	25	25	484,824	50	.000	-
Chester and Hirkenhead	149	144	538,424	50	3.4	R96 17 3
Dubits and Kingstown		6	3.60,362	100	774	457 18 6
Dundre and Arbroath	148	166	141,502	28	64	1.7 15 11
Duriam and Sunderland	16	46	266,117	204	18	366 10 6
Eastern Counties"	1:26	174	2,194,054	25	24	813 14 1
Edinburgh and Glanguw	45	411	1,988,077	20	45 2	1592 12 10
Glasgew and Ayr	31	40	100m, 4:06	241	400	770 13 3
Ginsgow and Paisiey Joint	234	223	789,289	25	25	164 4 6
Gd. June. & Chester & Crewe	1152	1152	2,318,536	100	.26	60a7 19 1
Great North of England	74	45	1,201,671	E (NO	61	1109 19 4
Great Western	1199	Ting !	6,5-40,6(E)	65	16.12	19425 18 11
Hayle	18	10	126,cmm	1948	mo	-
ifail and Selby	at	al I	645,306	348	Zial [800 3 6
Langueter & Preston June.	204	204	434,360	47	27 é	province.
Liverpoot and Manchester	28.1	81	1,515,205	100	1967	3X26 7 2
soudon and Birmingham	1125	1124	5,927,612	100	241	12647 19 2
ilewaysil bos nobuca	38	3.0	1,141,534	168	4	485 10 11
condon and Brighton	56	346	2,560,645	bu	33-1	2223 4 11
condon and Croydon	104	104	419,749	139	la.	191 19 11
Landon and Greenwich	24	28	1,019,016	125	44	(director)
London and South Western	928	924	2,545,552	ana !	45	3648 15 60
danchester, Bolton, & Bury	10	Iv	277,957	363	34	336 7 9
Sanchester & Birmingham	40	31	1,789,944	40	2014	2000 . 6
Suppliester and Leeds	50	40-	2,948,110	710	72	#61a 11 6
didigad Counties	47	P.	1,679,969	100	62	200X 8 14
Cowcastle and Carlinio	41	61	oremon	100	24	1963 18 8E
is wenatis and N. Shields	2	7	212,474	45	44	997 8 8
Sorthern and Eastern?	224	224	11001,4067	43	24	1011 0 0
forth Midland	729	779	3,297,764	166	64	3400 10 10
forth Unions	24	22	612,879	78	234	(Million III)
reuton and Wyre	19	1w	317,496	200	246	138 11 1
heffield and Manchester	49	11	494,457	824	204	979 13 10
ooth-Eastern	87	44	1,900,997	Set S	724	1064 19 11
of Vale	30	346	\$59,725	169	1865	MINE I
Bales	28	24	214,883	23	-	406 6 7
ork and North Midland	97	127	45 E, REE .	34	1956	1307 . 0

* Including Northern and Eastern Railway toll. † Root and toll in Eastern condition about 1300, per work; included in the returns. 1 The Liverpool an-lameheater toll is deducted.

JOINT-STOCK BANKS.

The several meetings of proprietors of Joint Stock Banking Companies, held during the week, present the same obserting results which we have had so five-quently in notice. The Destige and West Brownwich have declared a divisions of 100, per cent.; the Divisor and West Brownwich have declared a divisions of 100, per cent.; the District Bank, 76, per cent.; the Devon and Comwall Banking Company. 6. The Polamoign Bank, 40, per cent.; and the Biradogians Banking Company—notwithstancing the depression of trade in that neighbourhood, and the consequent dimination in their returns—have declared a division of 100, per cent.

Shares.	Company.	Paid.	Price	Shares.	Company.	Park. Price
15,000	Australasia	40	834	Ser, Sent	Liverpool Borough.	. lo 128
20,000	Mirmingham	10	Lings P.	25,764	Ditto Back of	. 124 20
20, 114	British N. American	40	414	12,660	Ditto Banking Co.	10 10
[10,000)	Cheltonb. & Glowins	h. 3		Sel, Henry	pieto Commercial	10 17
FORE, ONCE	Commercial or Eng.,		806	2,000	Ditto Royal	. June 6574
1,000	Commer, of London	790	175	1941, 808	Manch. & Liver. Dis	. 15 Ing
PA, 1660	Colowial	25	164	110,000	Munchester	. 10
341,000	East of England	10	74	200,000	Masscheuter & Snifel	4 10 . 10
146,7990	Citomprostorahire	16	200	200,49090	National of Ireland.	. 174. 14g
4,0000	Implem.	20	24	16,600	Natl. Provi. Engian	4 14 45
Erit, dents	Levels Banking Co	15	14	80,790	North & Scotth Wale	m 10 44
\$1,000	Louds & West Miding	44.	84	200,000	Provincial of Irelan	of 29 424
\$13,0000	London & Westmitted	20	314	20,000	South Laurantics .	. 74. 44
44,000	London Joint Stock	14	124		W. of Eng. A S. Wales	
200,74000	Louisian and County	24		200,1100	Union of Amstralia.	. 28 31
Non-Arrest	Commissional Attainer	700	1004	Alle Market	Elmino of Louisian	A 44

MISCELLAN BOUS.

A special meeting of the British American Land Company was held on Wedneder, in pursuance of a requisition from a summer of shareholders, whose intention as to have had a commentee appointed to inquire into the cists and prospets the company. On an explanation taking place, however, it was primited by it chairman that every information possible would be affected at the forthered general meeting, and that a onge of the report and accounts about the printers a circulated among the shareholders.

*barra	Company.	Pulif.	Prime		. Company. Paid. Price
	Angle-Maxima Mint			E, Dies	Hungarford Market., lov Aid
10,000	Audi Dry. Rot	166	2	1,4696	London Corn Exch. 574. 20
	Auphaire (Claridge)			8,760	Loredon Cassichows . 124 . 14
	Assess Ton Company			A, side	London Complety 20 18
(N. 800)	Anatral Agricultural.	DWG/N.	266	K-10/	Loan, Bever, Int. hop., 19 6
4.475	Australian Erust Co	. 55	3/7	15,400	Met. Pat. Wood Parting 3 2
	Biltumen Bastones.			24,666	Mexican A S. American 7 4
	Diffine Policenceron.		- 1	1000	New Sconewick (Lo.) 65 18
6,000	Best, Ameri, Land Co.	354	0	1600	Penimental & Circulal Mr 48
	Marie Lower & Dire. Front			3,547	Rever, Int. Society 101 10
	BIR. BOATS & Pal. Sall				Morphi strait Steeness Pot, 10 10
	Canada Land Co			2,000	Mostl's less firmadry 44 26
8,000	R. C. of Cree Anny Swit	. 200	19	14,400	Scoth Americanian 30 17
	Besidentels Patient Sail			3,500	Stifu Conserv Towing 74. 15
	Equalitative Marrier, Nove.			4,000	Thames Tunnel So 9
	Con. Steam Starty				Van Dieman's Land . 169 5 4
	Circus Manager Steel Steel			4.0000	W. Law A.W. married C. Cont

THE LONDON GALETTE-MARKSUPTS

London Pointed and Poblished, Smally, by States Lorsand, of the Col.
No. 15, F1.427-878287.

a the city of London, where all Communications and Advertisements a pount to be States State, put put.

[Follows 2.5]